

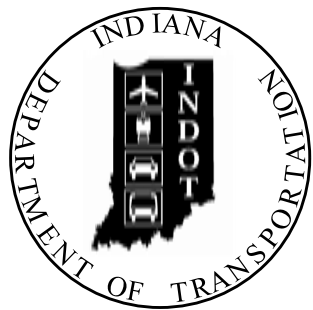
PROJECT	DESIGNATION
1800067	1703011
CONTRACT	BRIDGE FILE
R-41441	912-45-02815

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
912-45-02815	CONTINUOUS COMPOSITE BRIDGE	6 Spans: 89'-0" 89'-0", 3 @ 104'-0", 103'-4½" Skew: Square 1 Span D "PR-1": 91'-3¼" Skew: Variable	SR 912, Norfolk Southern Railroad, and Wisconsin Central LTD	13+48.94 "PR-A"

KIN PROJECT INFORMATION		
DESIGNATION	PROJECT DESCRIPTION	TYPE
1703012	SR 912 on Ramp B over Ramp B	Bridge
1700105	SR 912 on Ramp H over Ramp H	Bridge
1700369	SR 912 Ramp I	Bridge
1700370	SR 912 Ramp NEC over RR & Ramp NER	Bridge
1703000	SR 912 Pedestrian Bridge over RR	Bridge
1800533	SR 912 over IHB & NSRR, 0.19 Mi. E. of US 20	Bridge
2000039	SR 912 over CSX RR, Amoco Service Rd, 0.45 Mi. W. of US 12/ US 20	Bridge
*1800067	SR 912 Concrete Pavement Restoration	Roadway

* Lead Des Number

INDIANA DEPARTMENT OF TRANSPORTATION



BRIDGE PLANS

FOR SPANS OVER 20 FEET

ROUTE: MICHIGAN AVENUE AT: RP 4+53.5

PROJECT NO. 1703011 P.E. 1703011 R/W 1703011 CONST.

Excerpts

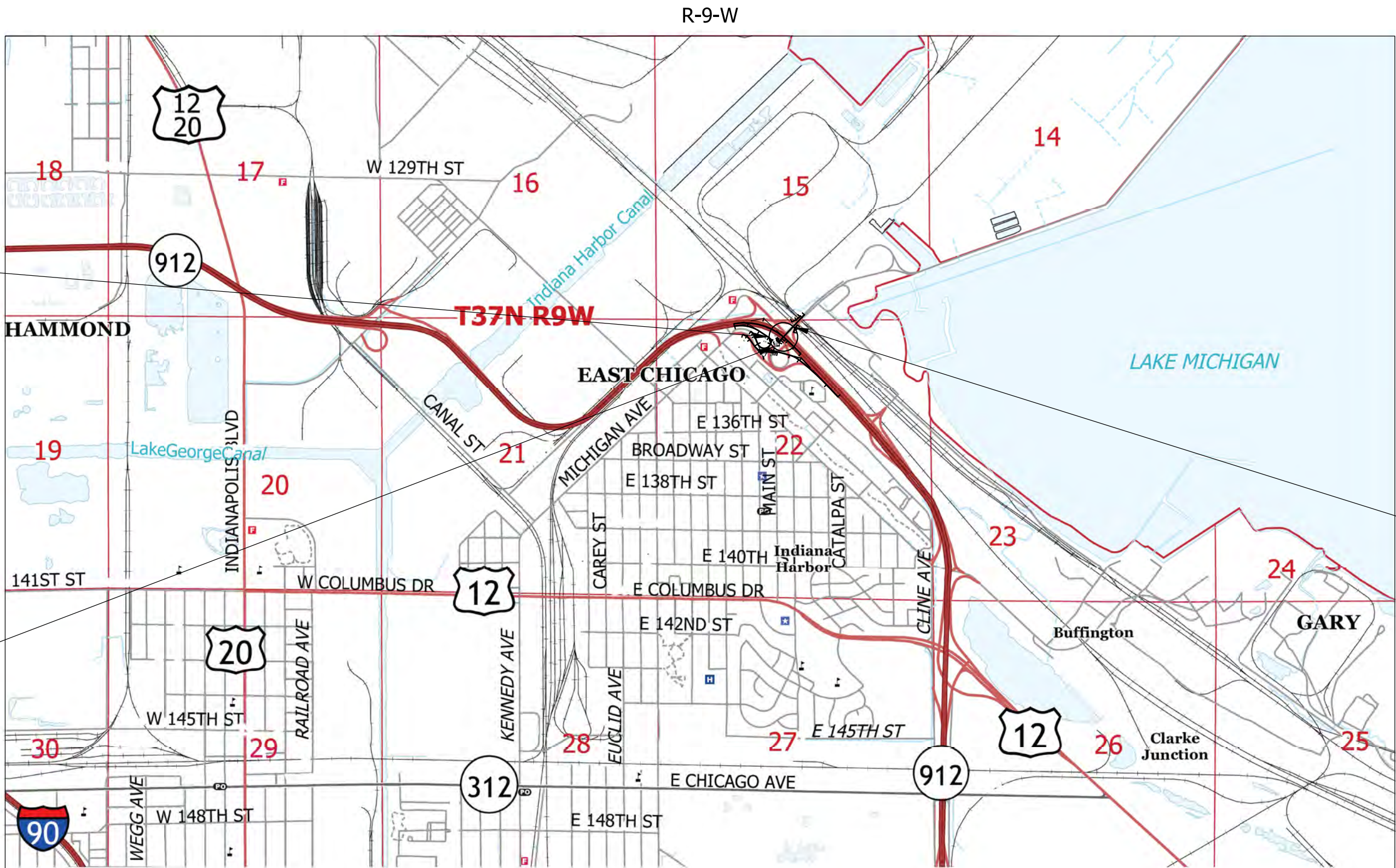
Bridge Replacement for Bridge on Michigan Avenue over SR 912, Norfolk Southern Railroad, and Wisconsin Central LTD
Located 1.34 Miles West of US 12
Sections 22 & 15, T-37-N, R-9-W, North Township, Lake County, Indiana

Structure 912-45-02815
Over SR 912, Norfolk Southern Railroad,
and Wisconsin Central LTD
13+48.94 "PR-A"

Norfolk Southern Railway
Dearborn Division
DOT #960896C
MP CD 0502.740

Wisconsin Central LTD.
Chicago Division
DOT #260684R
MP 0008.770

Begin Project
10+00.00 "PR-A"



SCALE: 1" = 2000'

End Project
17+18.56 "PR-A"

TRAFFIC DATA (See Index Sheet)

DESIGN DATA (See Index Sheet)



PROJECT LOCATION SHOWN BY
LAKE COUNTY

LATITUDE: 41° 39' 11" LONGITUDE: 87° 26' 34"

BRIDGE LENGTH: 0.12 MI.
ROADWAY LENGTH: 0.21 MI.
TOTAL LENGTH: 0.33 MI.
MAX. GRADE: +5.12 %

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS.

PARSONS

101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000
Fax (317) 616-1033

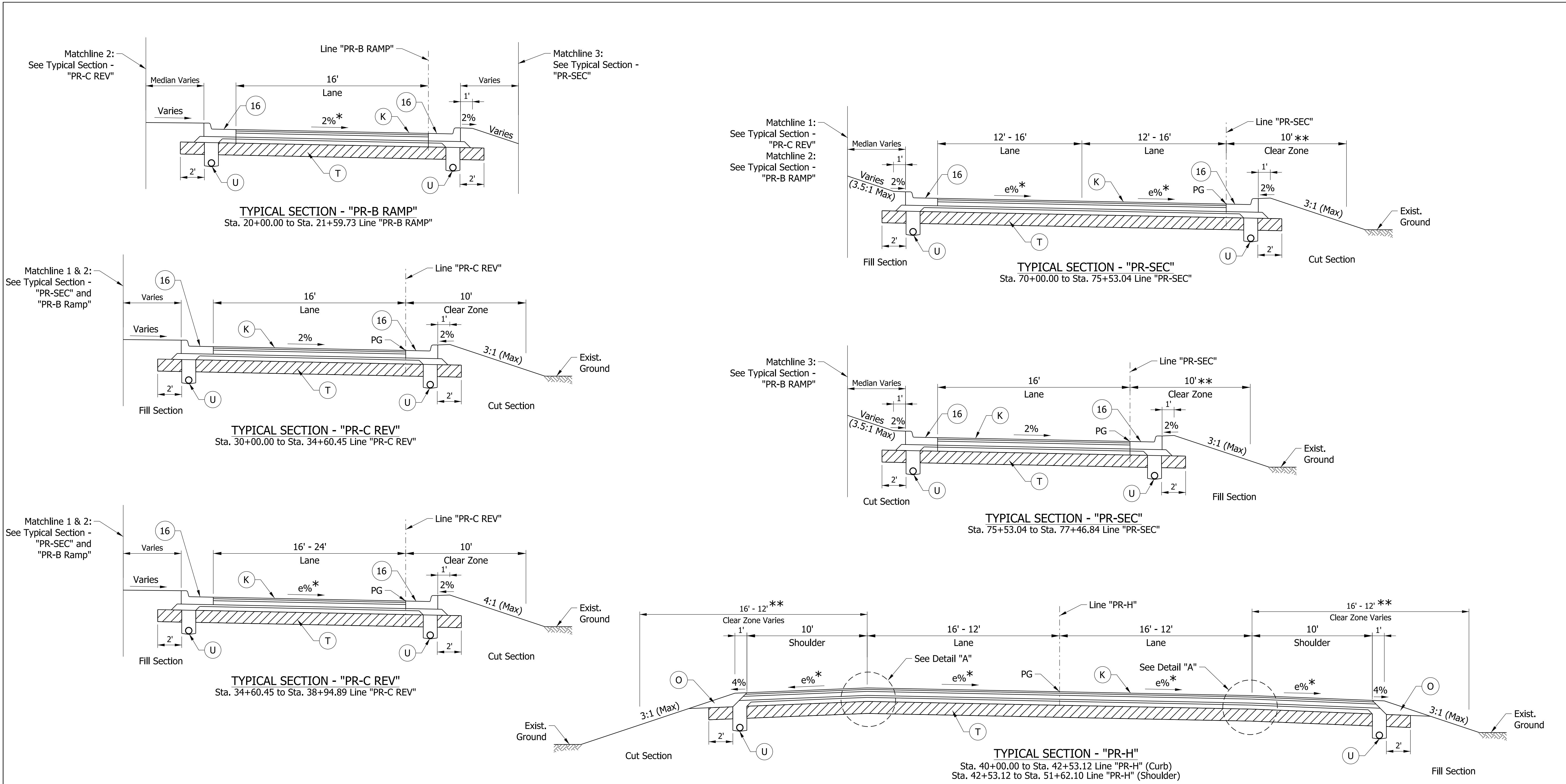
IP_PWP:dms39733\SR912_BR_Title Sheet.dgn
05-APR-2022

PLANS
PREPARED BY: PARSONS 317-616-1000
PHONE NUMBER

CERTIFIED BY: DATE

APPROVED
FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	
912-45-02815	
DESIGNATION	
1703011	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 82
CONTRACT	PROJECT
R-41441	1800067

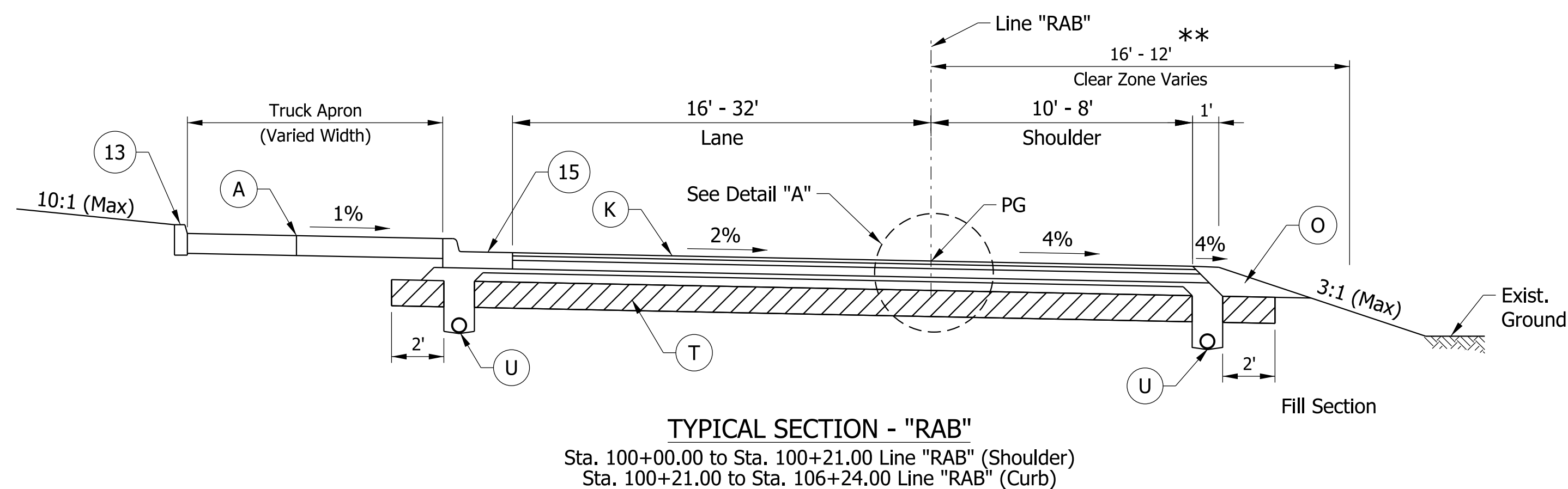
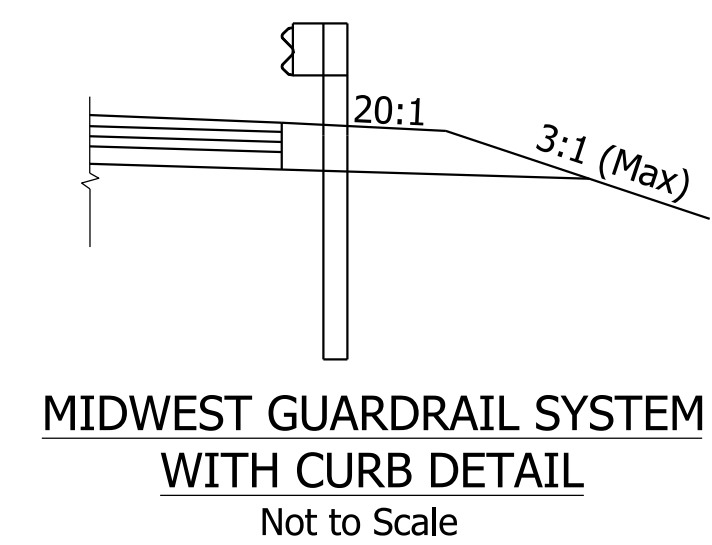
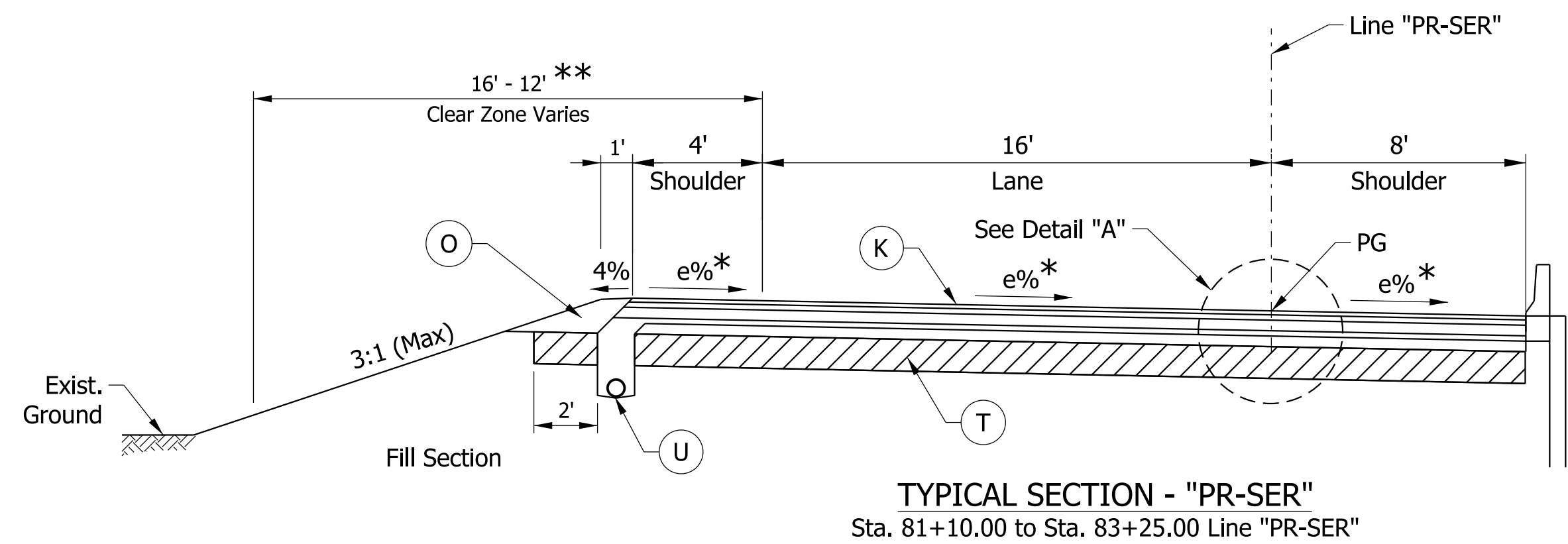
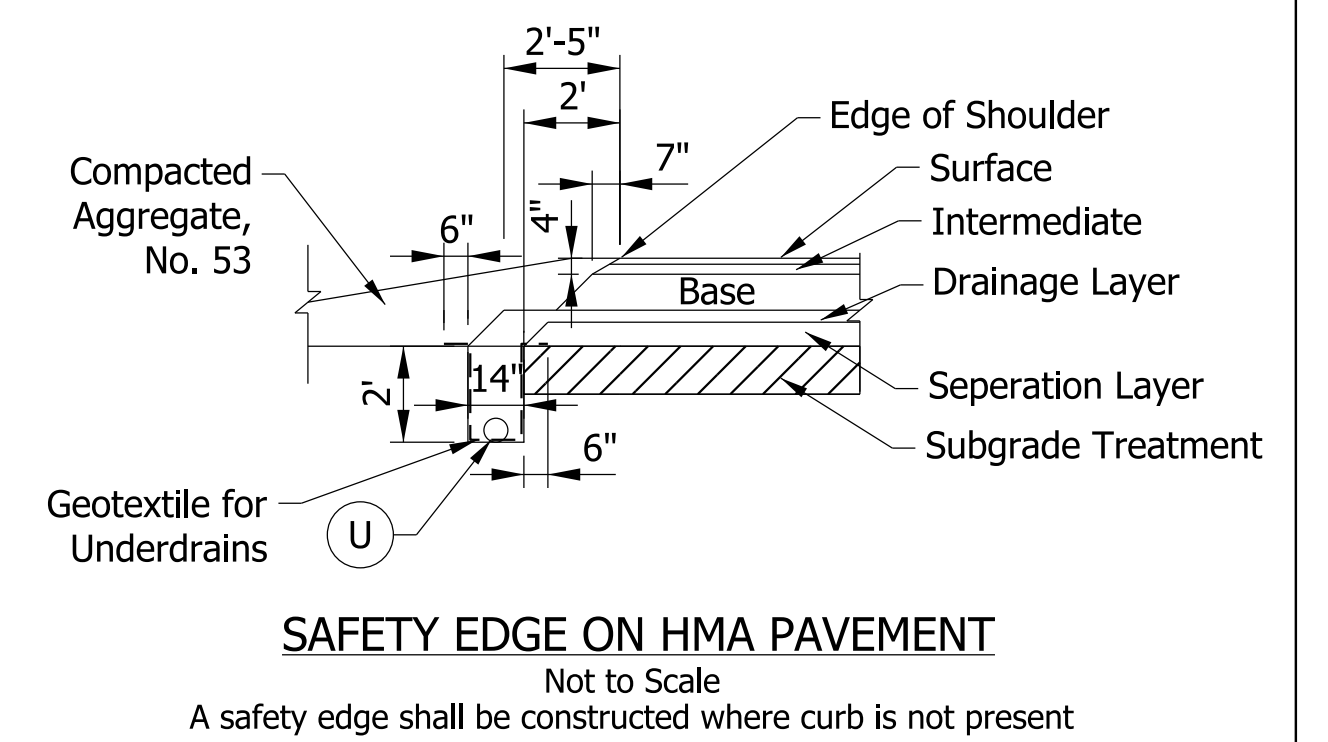
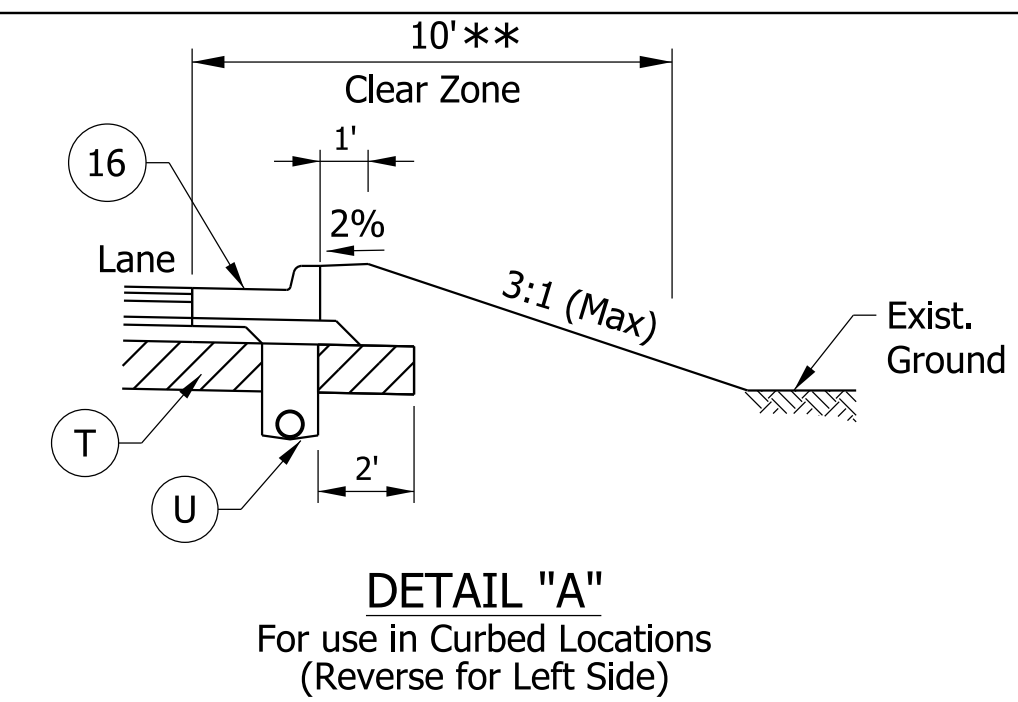
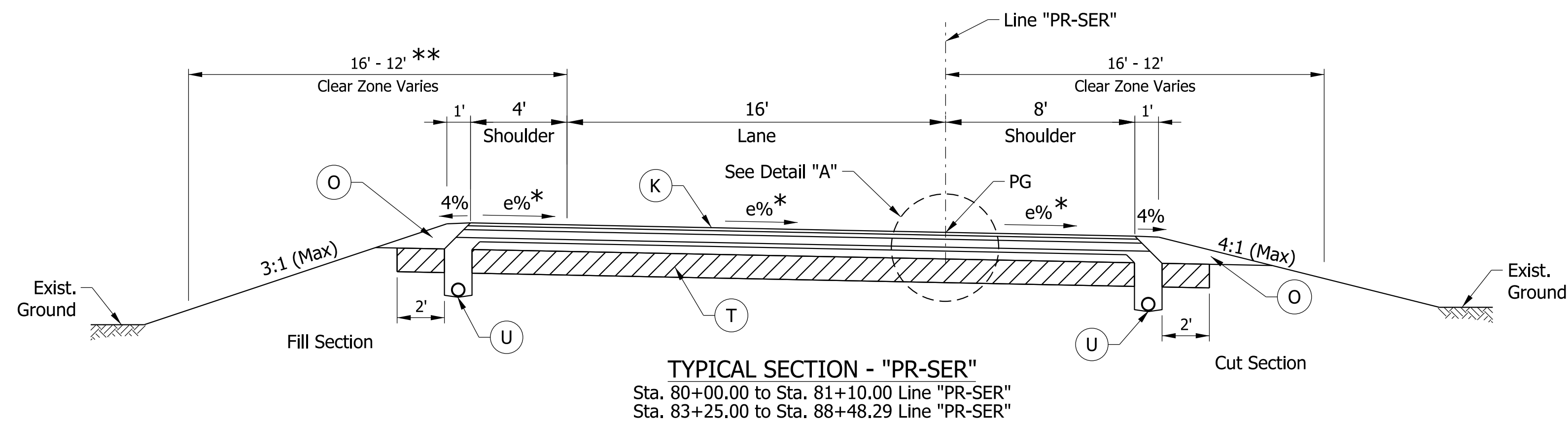


Notes To Reviewer:
1. 5' Shelf for Future Sidewalk is not Provided, in Curbed Sections. No Future Pedestrian Activity is Expected Within Interchange.

* For Superelevation Details, Refer to Profile Sheets
** Portions of Clear Zone within the 3:1 slopes will be met at the toe of slope as the existing ground is relative flat

A PCCP for Truck Apron (TBD)		U Underdrain, TBD	16 Combined Concrete Curb and Gutter		RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION TYPICAL SECTIONS	HORIZONTAL SCALE 1/4" = 1'-0" VERTICAL SCALE N/A	BRIDGE FILE 912-45-02815 DESIGNATION 1703011
K Full Depth HMA Pavement, TBD		13 Curb Integral, Concrete		DESIGNED: CP DRAWN: DH	SURVEY BOOK ELECTRONIC CONTRACT R-41441		SHEETS 3 of 81 PROJECT 1800067	
O Compacted Aggregate, No. 53		15 Combined Concrete Curb and Gutter, Type B (Sloping)		CHECKED: TJK CHECKED: TJK				
T Subgrade Treatment, TBD								

IP_PWP:dms39755\SR 912_Sht_Typ_01.dgn



* For Superelevation Details, Refer to Profile Sheets
** Portions of Clear Zone within the 3:1 slopes will be met at the toe of slope as the existing ground is relative flat

A	PCCP for Truck Apron (TBD)	U	Underdrain, TBD	16	Combined Concrete Curb and Gutter
K	Full Depth HMA Pavement, TBD	13	Curb Integral, Concrete		
O	Compacted Aggregate, No. 53	15	Combined Concrete Curb and Gutter, Type B (Sloping)		
T	Subgrade Treatment, TBD				

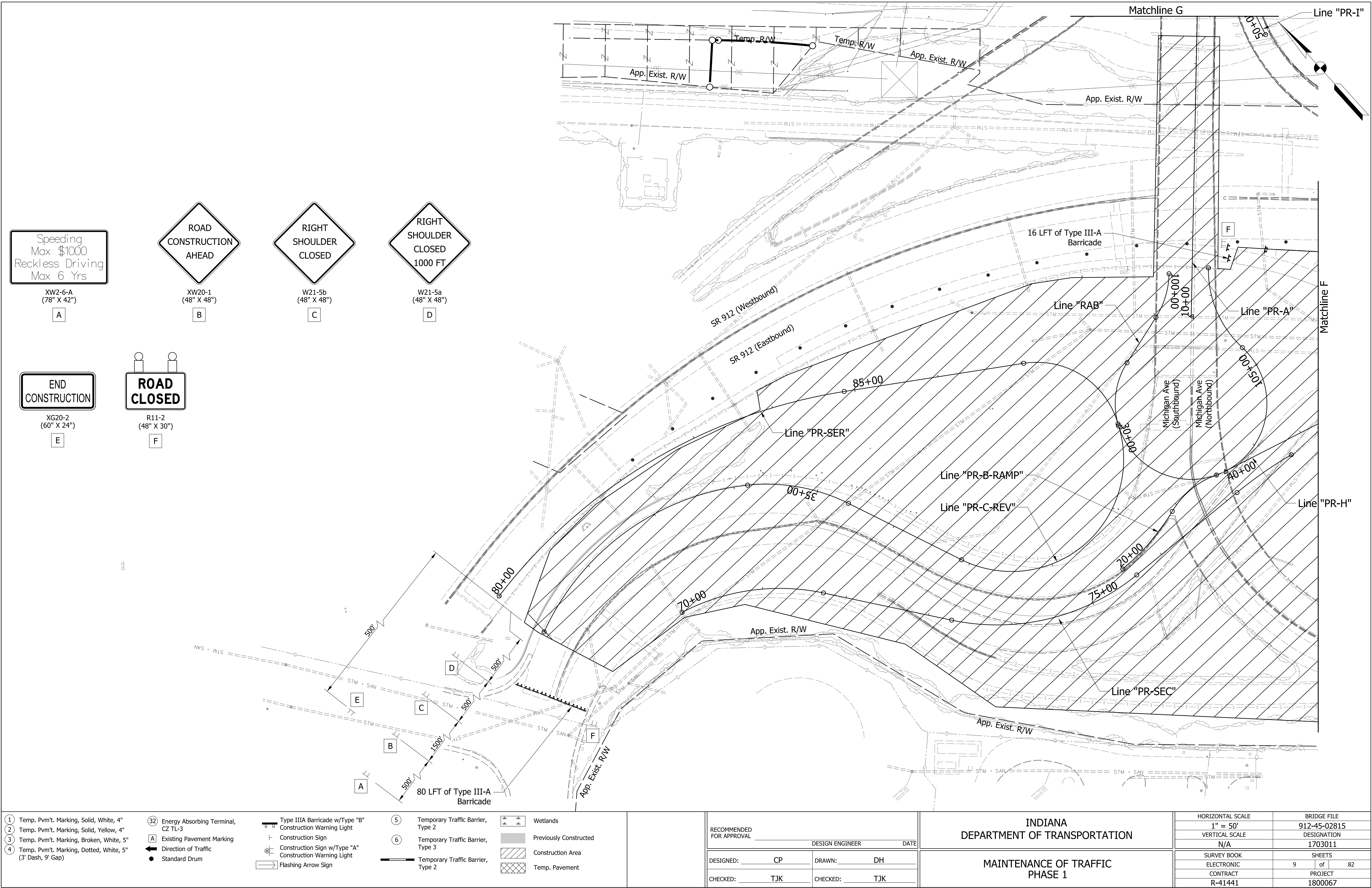
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CP	DRAWN: DH	
CHECKED: TJK	CHECKED: TJK	

INDIANA
DEPARTMENT OF TRANSPORTATION

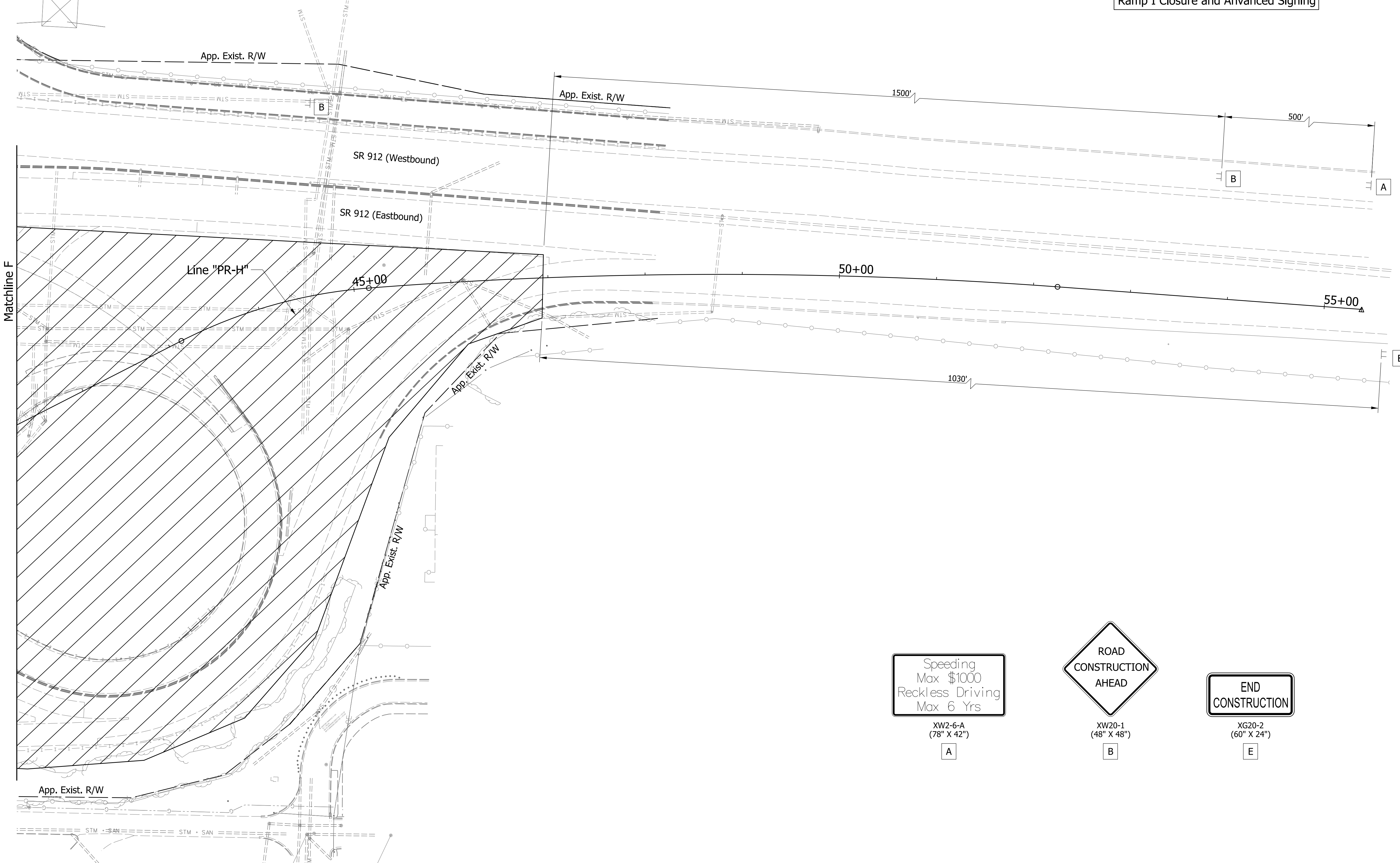
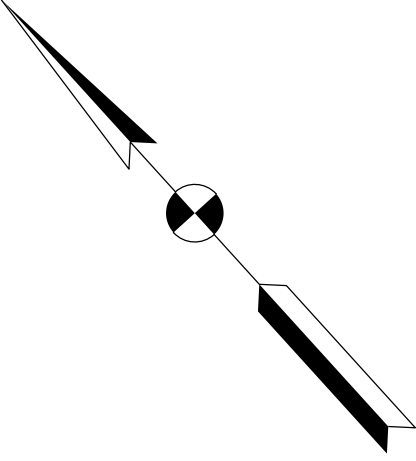
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	912-45-02815
VERTICAL SCALE	DESIGNATION
N/A	1703011
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 81
CONTRACT	PROJECT
R-41441	1800067

IP_PWP:dms39755\SR 912_Sht_Typ_02.dgn



Note To Reviewer:
Reference DES 1800067 for the
Ramp I Closure and Anvanced Signing



Speeding
Max \$1000
Reckless Driving
Max 6 Yrs

XW2-6-A
(78" X 42")

A

ROAD
CONSTRUCTION
AHEAD

XW20-1
(48" X 48")

B

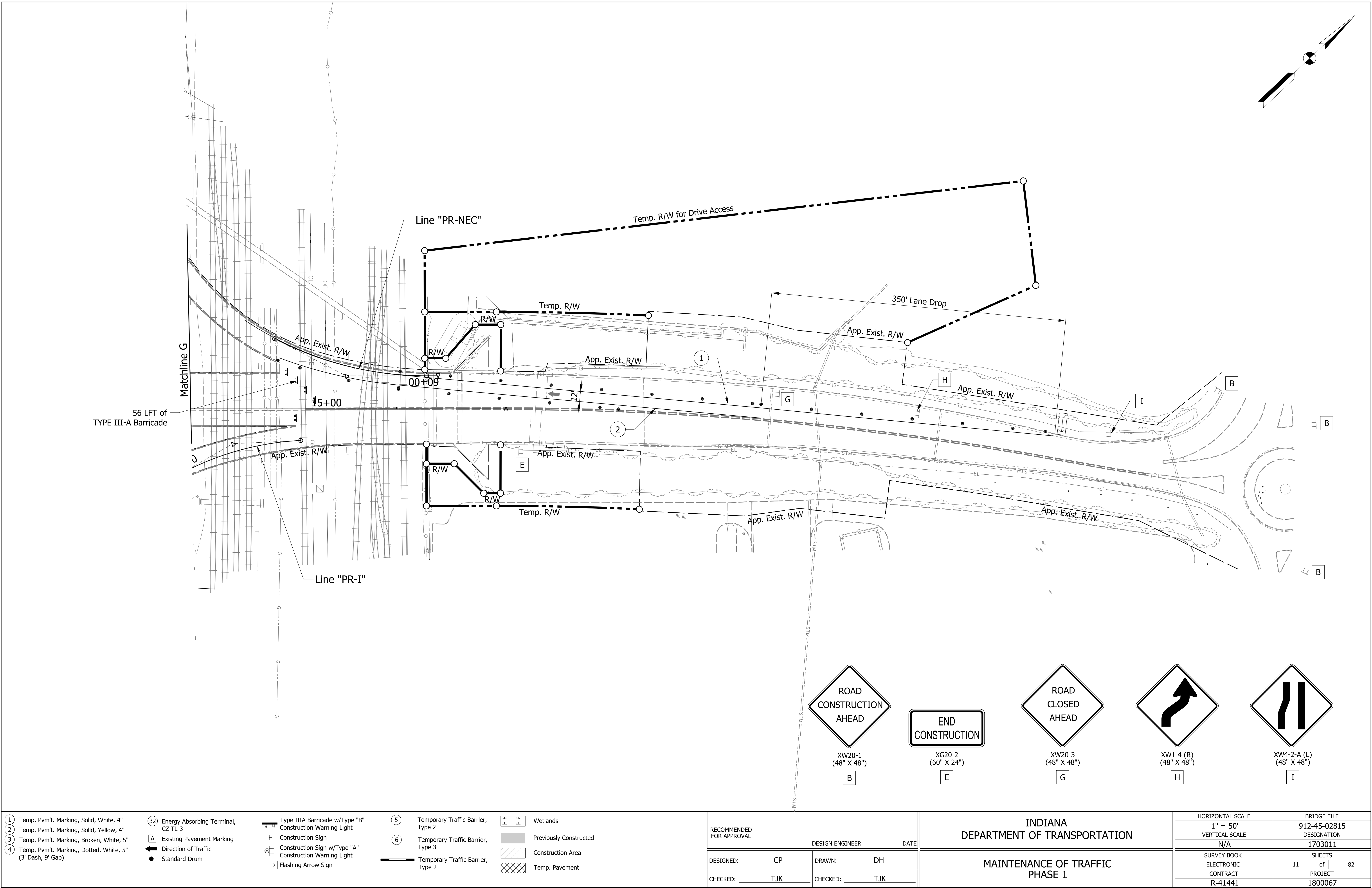
END
CONSTRUCTION

XG20-2
(60" X 24")

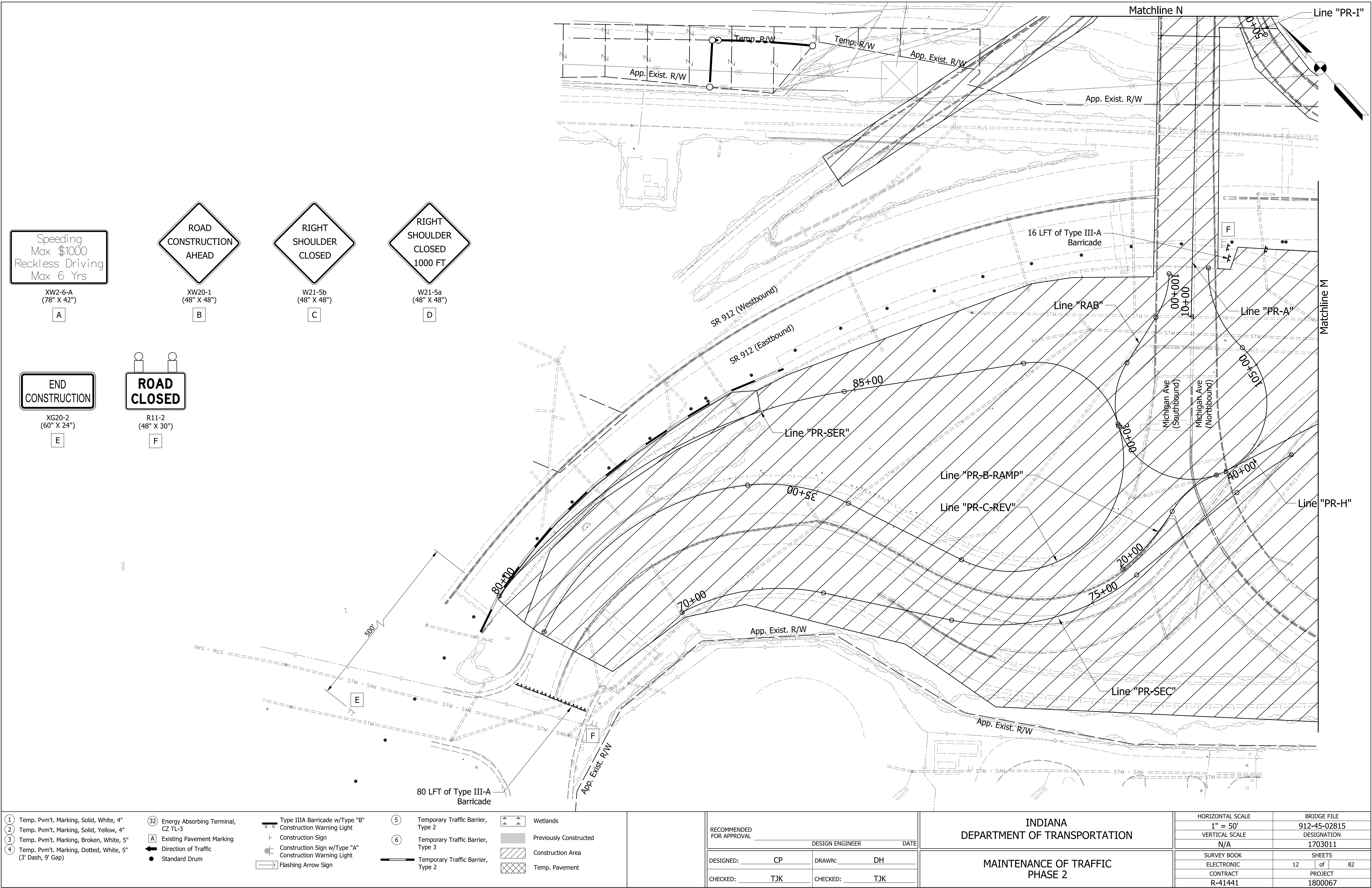
E

1Temp. Pvm't. Marking, Solid, White, 4" 2Temp. Pvm't. Marking, Solid, Yellow, 4" 3Temp. Pvm't. Marking, Broken, White, 5" 4Temp. Pvm't. Marking, Dotted, White, 5" (3' Dash, 9' Gap)		32Energy Absorbing Terminal, CZ TL-3 AExisting Pavement Marking Direction of Traffic Standard Drum		Type IIIA Barricade w/Type "B" Construction Warning Light Construction Sign Construction Sign w/Type "A" Construction Warning Light Flashing Arrow Sign		5Temporary Traffic Barrier, Type 2 6Temporary Traffic Barrier, Type 3 Temporary Traffic Barrier, Type 2		Wetlands Previously Constructed Construction Area Temp. Pavement		RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION MAINTENANCE OF TRAFFIC PHASE 1		HORIZONTAL SCALE 1" = 50' VERTICAL SCALE N/A		BRIDGE FILE 912-45-02815 DESIGNATION 1703011		SURVEY BOOK ELECTRONIC 10 of 82		CONTRACT R-41441 PROJECT 1800067	
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IP_PWP:dms39755\SR 912 Sht_MOT_02.dgn

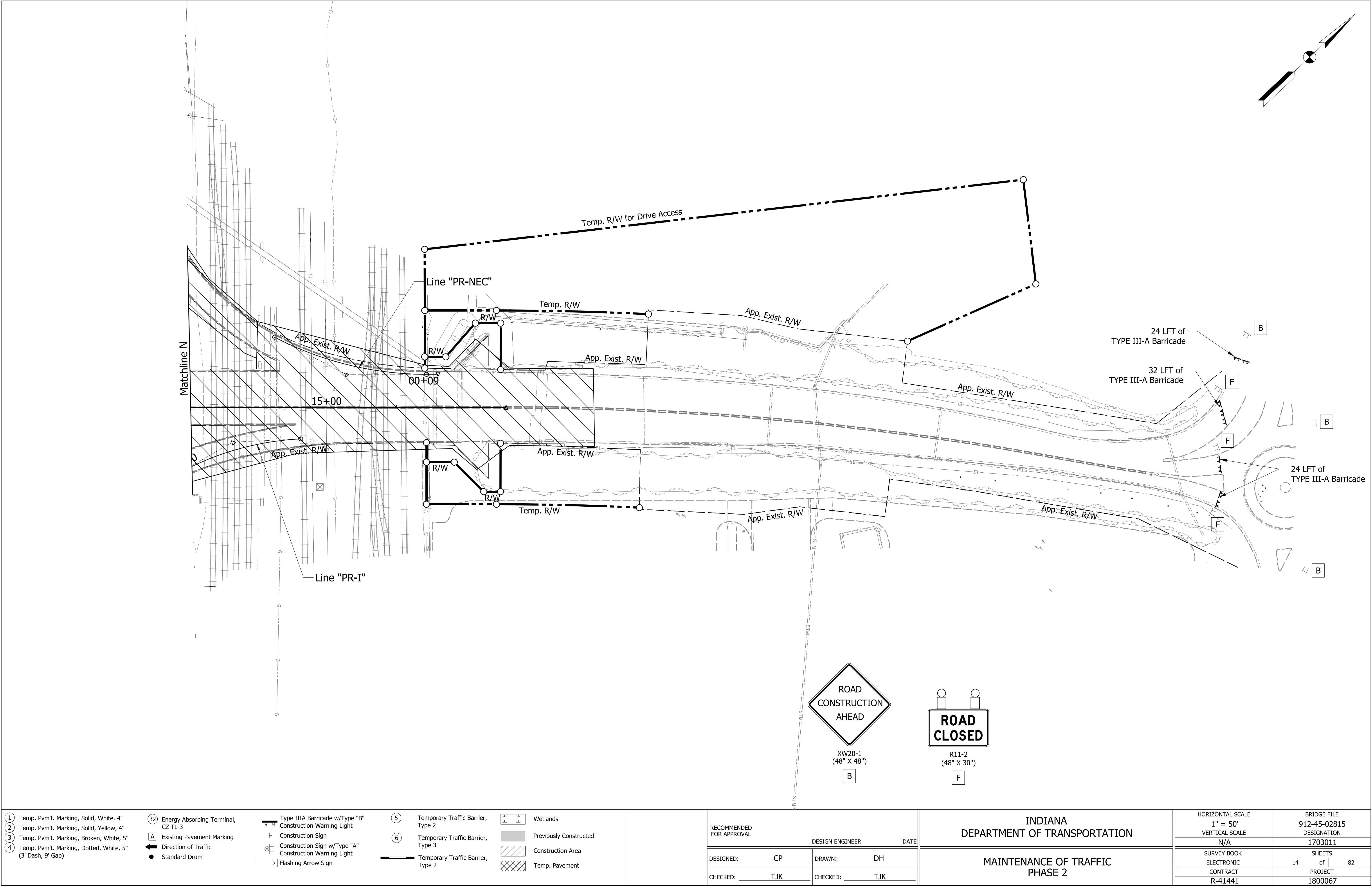


IP_PWP:dms39755\SR 912 Sht_MOT_03.dgn



1Temp. Pvm't. Marking, Solid, White, 4" 2Temp. Pvm't. Marking, Solid, Yellow, 4" 3Temp. Pvm't. Marking, Broken, White, 5" 4Temp. Pvm't. Marking, Dotted, White, 5" (3' Dash, 9' Gap) 32Energy Absorbing Terminal, CZ TL-3 AExisting Pavement Marking Direction of Traffic Standard Drum Type IIIA Barricade w/Type "B" Construction Warning Light Construction Sign Construction Sign w/Type "A" Construction Warning Light Flashing Arrow Sign		5Temporary Traffic Barrier, Type 2 6Temporary Traffic Barrier, Type 3 Temporary Traffic Barrier, Type 2 Wetlands Previously Constructed Construction Area Temp. Pavement		RECOMMENDED FOR APPROVAL DESIGN ENGINEERDATE DESIGNED: CPDRAWN: DH CHECKED: TJKCHECKED: TJK		INDIANA DEPARTMENT OF TRANSPORTATION MAINTENANCE OF TRAFFIC PHASE 2		HORIZONTAL SCALE 1" = 50' VERTICAL SCALE N/A SURVEY BOOK ELECTRONIC CONTRACT R-41441	BRIDGE FILE 912-45-02815 DESIGNATION 1703011 SHEETS 12 of 82 PROJECT 1800067
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IP_PWP:dms39755\SR 912 Sht_MOT_04.dgn



IP_PWP:dms39755\SR 912 Sht_MOT_06.dgn

Note To Reviewer:
Pavement Design in Progress.
Pavement Details to be Finalized
at Next Submittal

Sec. 15, T-37-N, R-9-W
North Township
Lake County

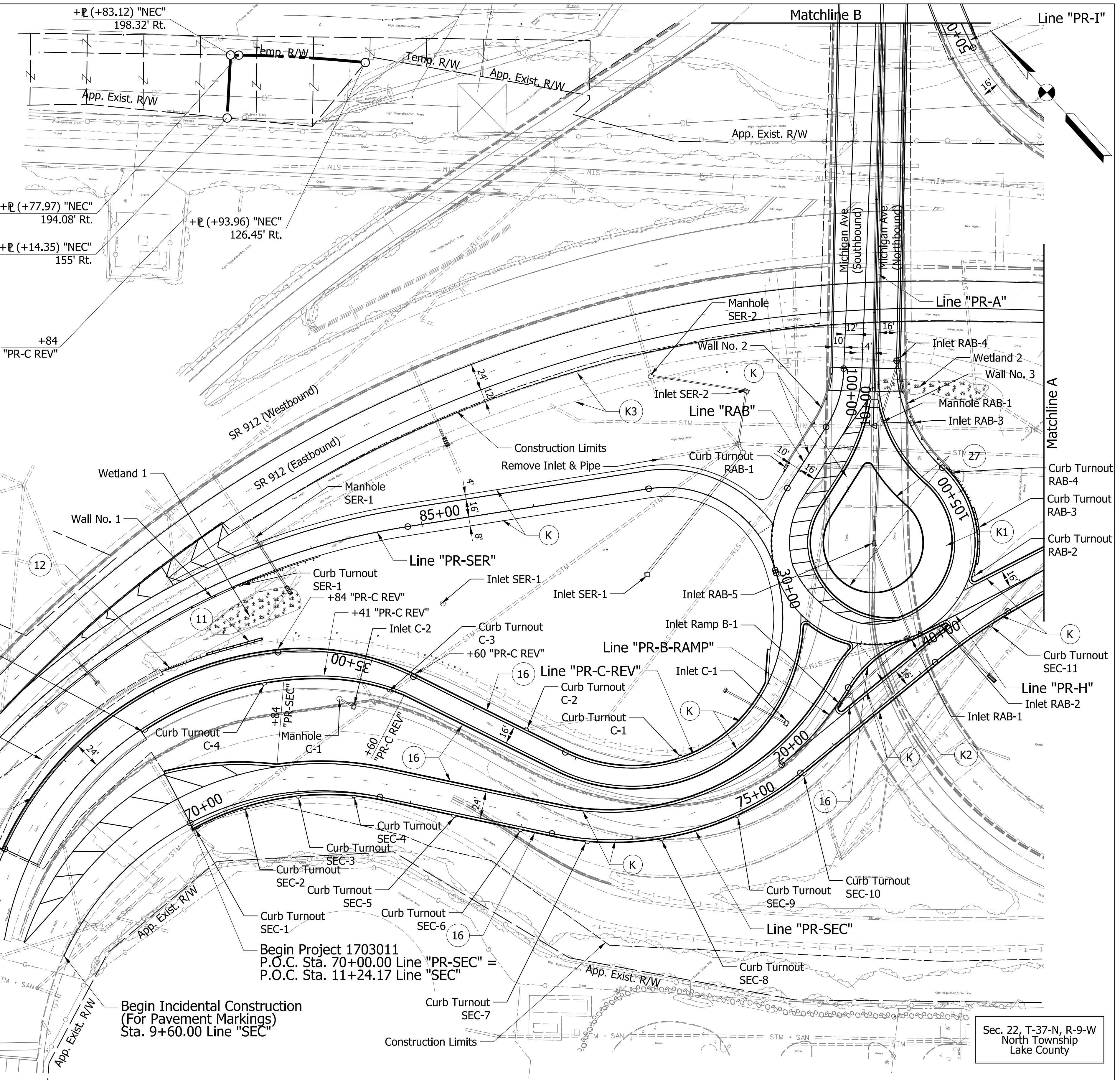
Begin Construction
P.O.C. Sta. 80+00.00 Line "PR-SER" =
P.O.C. Sta. 397+71.96 Line "DLPR"

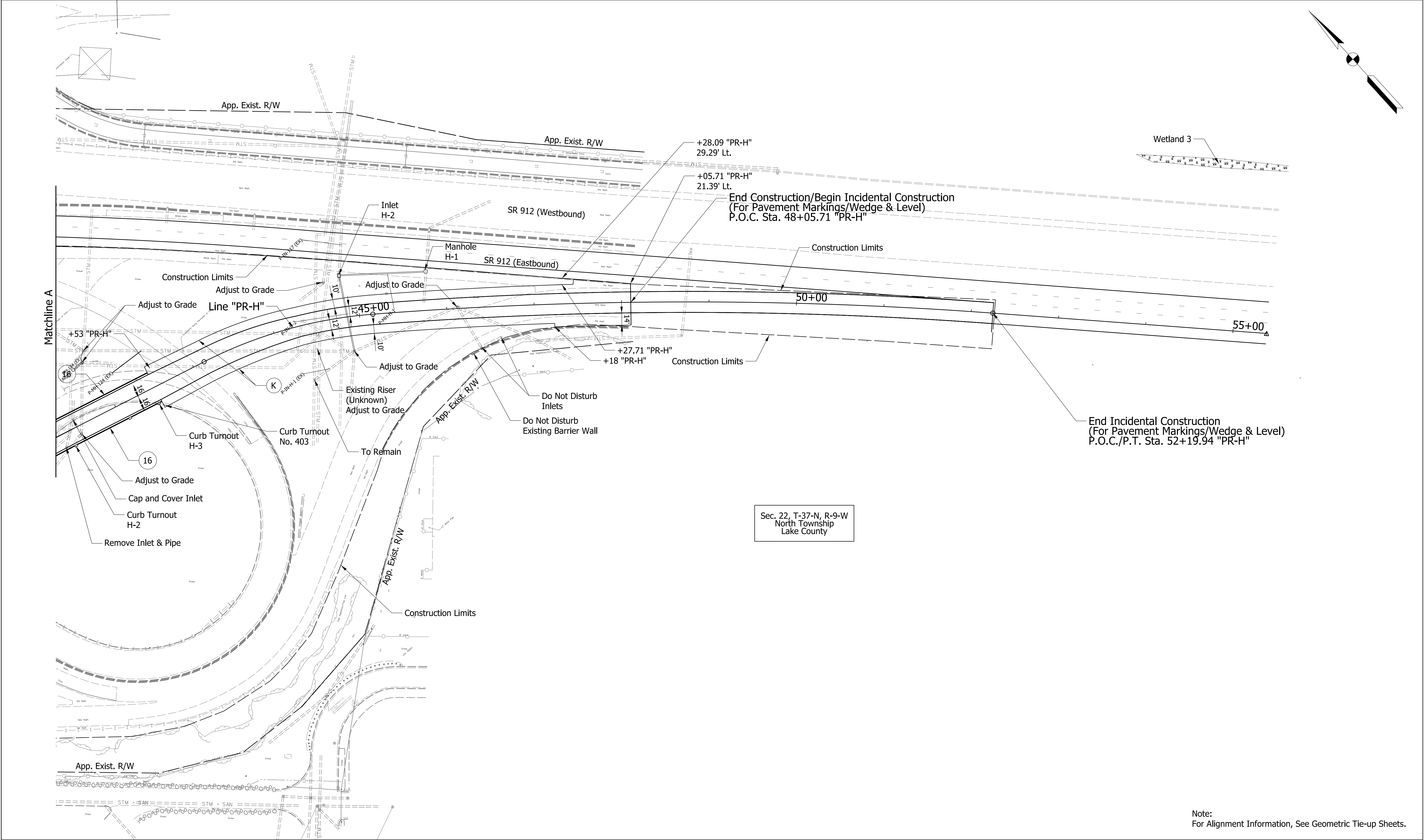
End Construction/Begin Incidental Construction
(For Pavement Markings)
P.O.C. Sta. 38+94.89 Line "PR-C-REV" =
P.O.C. Sta. 11+05.01 Line "C-REV"

End Incidental Construction
(For Pavement Markings)
Sta. 11+85.00 Line "C-REV"

- Notes:
- For Alignment Information, See Geometric Tie-up Sheets.
 - All R/W Described from "NEC" Unless Otherwise Noted.

K	Pavement, TBD	10	Guardrail (To be Detailed at Next Submittal)	17	Combined Concrete Curb and Gutter, Type B
K1	Pavement, TBD	11	Guardrail OS End Treatment, 31"	18	Barrier Curb, Concrete
K2	Pavement, TBD	12	Guardrail, MGS Treatment	27	See Mixture, U
K3	Milling, Asphalt 6" (Leave Millings in Place)	16	Combined Concrete Curb and Gutter		Retaining Wall

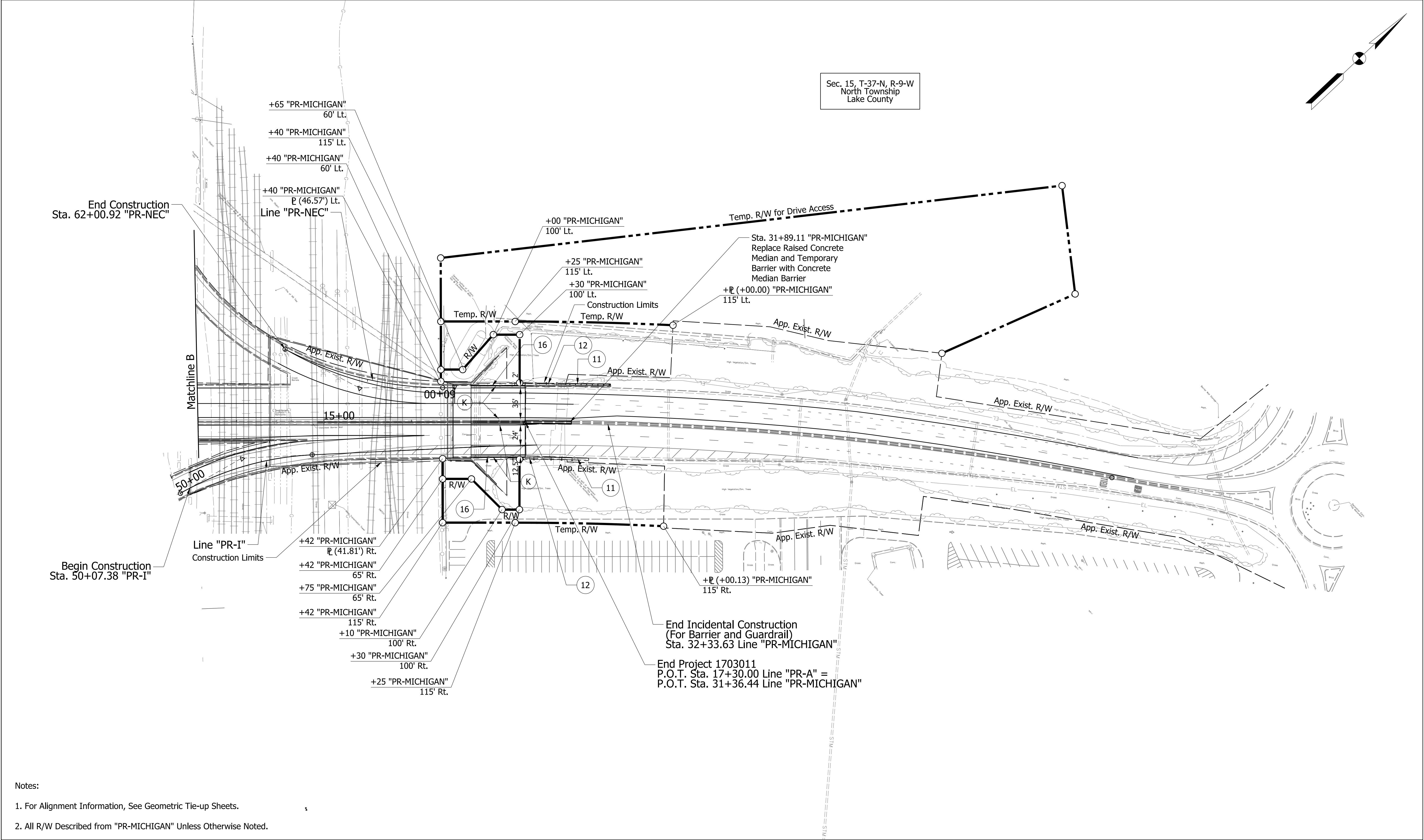




Note:
For Alignment Information, See Geometric Tie-up Sheets.

K Pavement, TBD K1 Pavement, TBD K2 Pavement, TBD K3 Milling, Asphalt 6" (Leave Millings in Place) 10 Guardrail (To be Detailed at Next Submittal) 11 Guardrail OS End Treatment, 31" 12 Guardrail, MGS Treatment 16 Combined Concrete Curb and Gutter 17 Combined Concrete Curb and Gutter, Type B 18 Barrier Curb, Concrete 27 See Mixture, U Retaining Wall			RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE DESIGNED: CP DRAWN: DH CHECKED: TJK CHECKED: TJK	INDIANA DEPARTMENT OF TRANSPORTATION PLAN SHEET	HORIZONTAL SCALE 1" = 50' VERTICAL SCALE N/A SURVEY BOOK ELECTRONIC CONTRACT R-41441	BRIDGE FILE 912-45-02815 DESIGNATION 1703011 SHEETS 16 of 82 PROJECT 1800067
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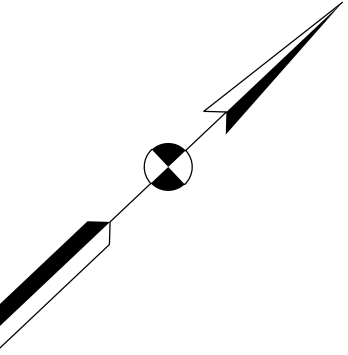
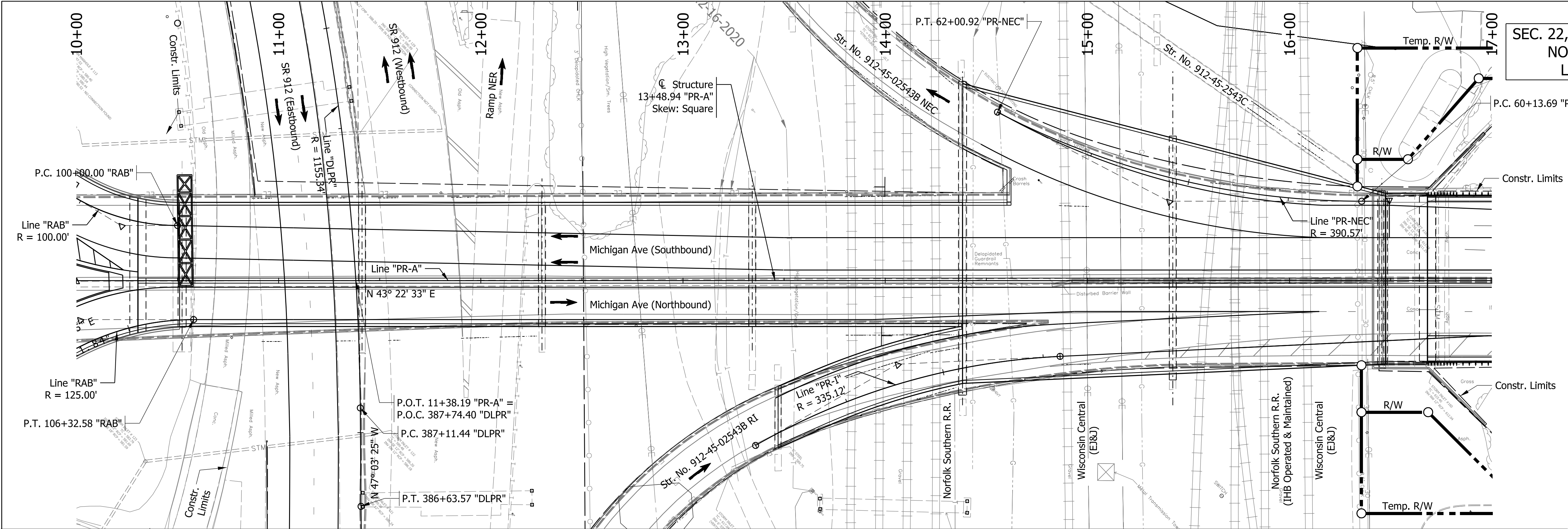
IP_PWP:dms39755\SR 912 Sht_Plan_02.dgn



- Notes:
1. For Alignment Information, See Geometric Tie-up Sheets.
 2. All R/W Described from "PR-MICHIGAN" Unless Otherwise Noted.

K Pavement, TBD K1 Pavement, TBD K2 Pavement, TBD K3 Milling, Asphalt 6" (Leave Millings in Place) 10 Guardrail (To be Detailed at Next Submittal) 11 Guardrail OS End Treatment, 31" 12 Guardrail, MGS Treatment 16 Combined Concrete Curb and Gutter 17 Combined Concrete Curb and Gutter, Type B 18 Barrier Curb, Concrete 27 See Mixture, U Retaining Wall	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 50'	BRIDGE FILE 912-45-02815
	DESIGNED: _____ CP _____ DRAWN: _____ DH _____		PLAN SHEET		VERTICAL SCALE N/A	DESIGNATION 1703011
	CHECKED: _____ TJK _____ CHECKED: _____ TJK _____				SURVEY BOOK ELECTRONIC	SHEETS 17 of 82
					CONTRACT R-41441	PROJECT 1800067

IP_PWP:dms39755\SR 912 Sht_Plan_03.dgn



SEC. 22, T-37-N, R-9-W
NORTH TWP.
LAKE CO.

EXISTING STRUCTURE

The existing steel beam bridge was built in 1959 and modified in 1980 to remove existing and add new ramp bridges 912-45-02543A RI and 912-45-02543 A NEC. The existing structure to be removed and structures 912-45-02543 A RI and 912-45-02543 A NEC will be rehabilitated.

EARTHWORK TABULATION

Fill + 20% = Cys
Common Excavation = Cys
Usable Waterway Excavation (70%) = Cys
Surplus Foundation Excavation (70%) = Cys
Borrow = Cys

Total Waterway Excavation = Cys
Excavation Unclassified = Cys
Benching (Estimated) = Cys

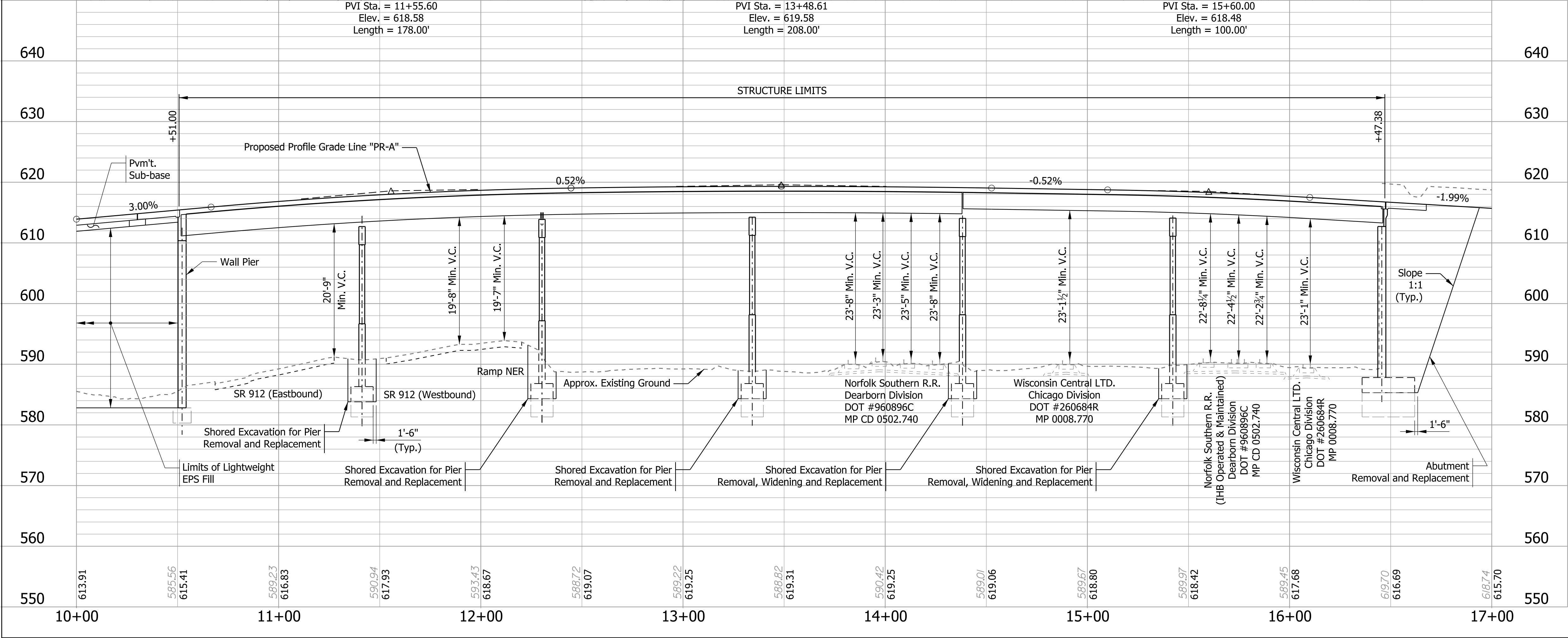
No direct payment for Benching. Benching will not be paid for as Common Excavation.

NOTES:

For R/W and Additional information see Plan & Profile sheets.

For Utility Contacts see Index Sheet No.2.

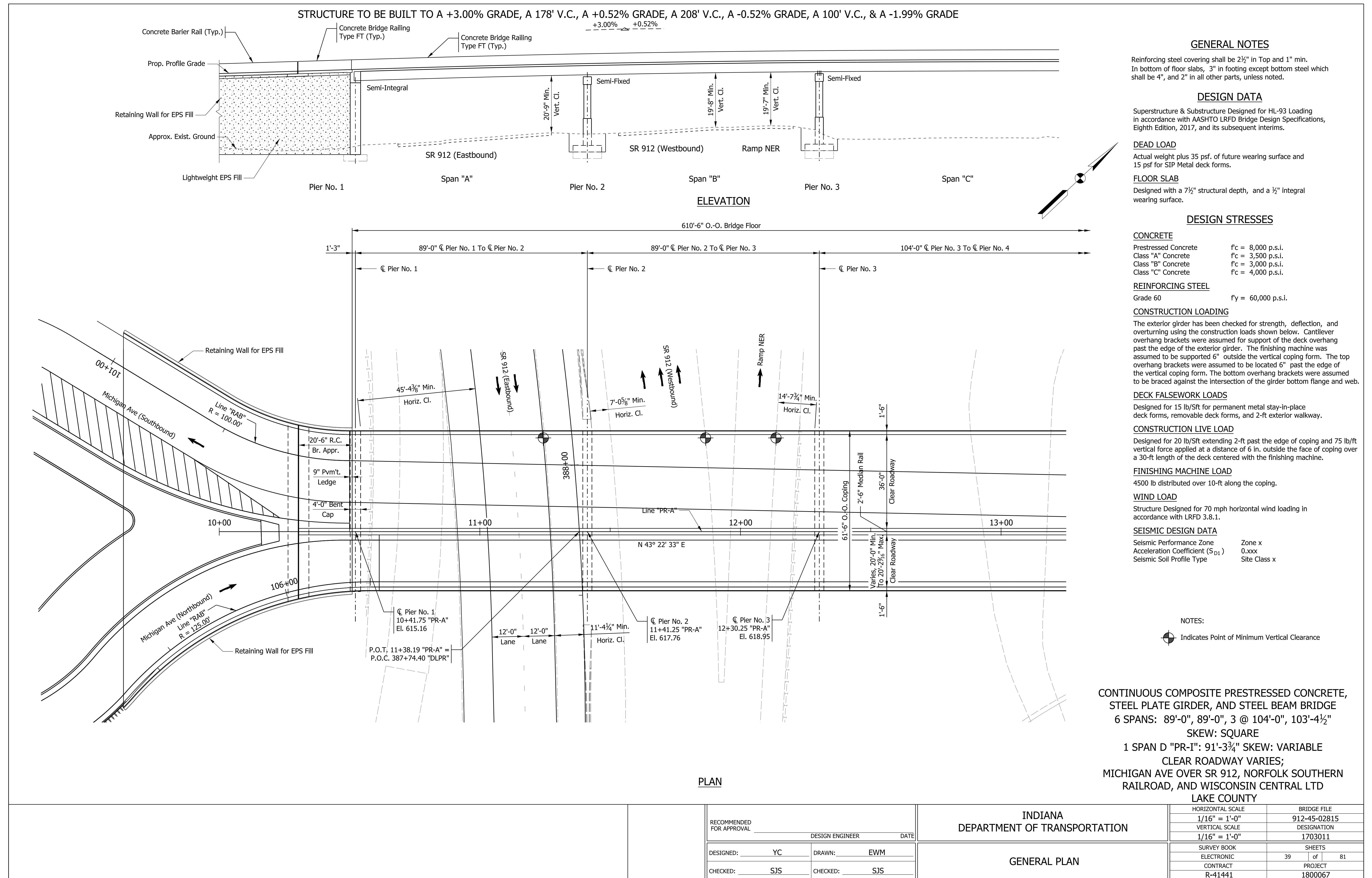
CONTINUOUS COMPOSITE PRESTRESSED CONCRETE,
STEEL PLATE GIRDER, AND STEEL BEAM BRIDGE
6 SPANS: 89'-0", 89'-0", 3 @ 104'-0", 103'-4½"
SKEW: SQUARE
1 SPAN D "PR-I": 91'-3¾" SKEW: VARIABLE
CLEAR ROADWAY VARIES;
MICHIGAN AVE OVER SR 912, NORFOLK SOUTHERN
RAILROAD, AND WISCONSIN CENTRAL LTD
LAKE COUNTY



RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED: YC		DRAWN: EWM			
CHECKED: SJS		CHECKED: SJS			

INDIANA DEPARTMENT OF TRANSPORTATION	
LAYOUT	

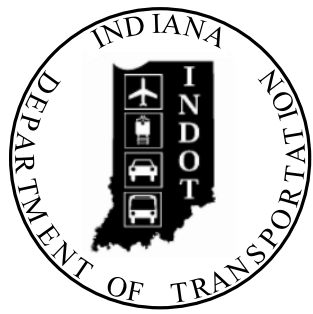
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25-JUN-2021



PROJECT	DESIGNATION
1800067	1700359
CONTRACT	BRIDGE FILE
R-41441	912-45-02543 B RI

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
912-45-02543 B RI	CONTINUOUS COMPOSITE PRESTRESSED CONCRETE I-BEAM BRIDGE	12 Spans: 8 @ 75'-0" 4 @ 55'-0" Skew: Variable	Elevation Change-Up Ramp	18+06.30 "PR-1"

INDIANA DEPARTMENT OF TRANSPORTATION



Note to Reviewer: INDOT and FHWA agreed to preliminary traffic counts for design (refer to Correspondence.pdf) with the intent of getting real time traffic counts in summer of 2021. This table will be populated for all corridors once those counts have been taken.

TRAFFIC DATA		
A.A.D.T.	(2022)	6,648 V.P.D.
A.A.D.T.	(2042)	6,890 V.P.D.
D.H.V	(2042)	3,527 V.P.H.
DIRECTIONAL DISTRIBUTION		100%
TRUCKS		51% A.A.D.T. 47% D.H.V.

DESIGN DATA	
DESIGN SPEED	25 M.P.H.
PROJECT DESIGN CRITERIA	Expressway/Freeway (Ramp Design)
FUNCTIONAL CLASSIFICATION	Principal Arterial
RURAL/URBAN	Urban (Intermediate)
TERRAIN	Level
ACCESS CONTROL	Full

BRIDGE PREVENTIVE MAINTENANCE PLANS

KIN PROJECT INFORMATION		
DESIGNATION	PROJECT DESCRIPTION	TYPE
1700105	SR 912 on Ramp H over Ramp B	Bridge
1700370	SR 912 Ramp NEC Over RR Yard, Ramp NER & Road	Bridge
1703000	SR 912 Pedestrian Bridge over RR	Bridge
1703011	Michigan Avenue over SR 912, NSRR & Wisconsin Central LTD	Bridge
1703012	SR 912 on Ramp B over Ramp B	Bridge
*1800067	SR 912 Concrete Pavement Restoration	Roadway
1800533	SR 912 over IHB & NSRR	Bridge
2000039	SR 912 over CSX RR, Amoco Service Rd	Bridge

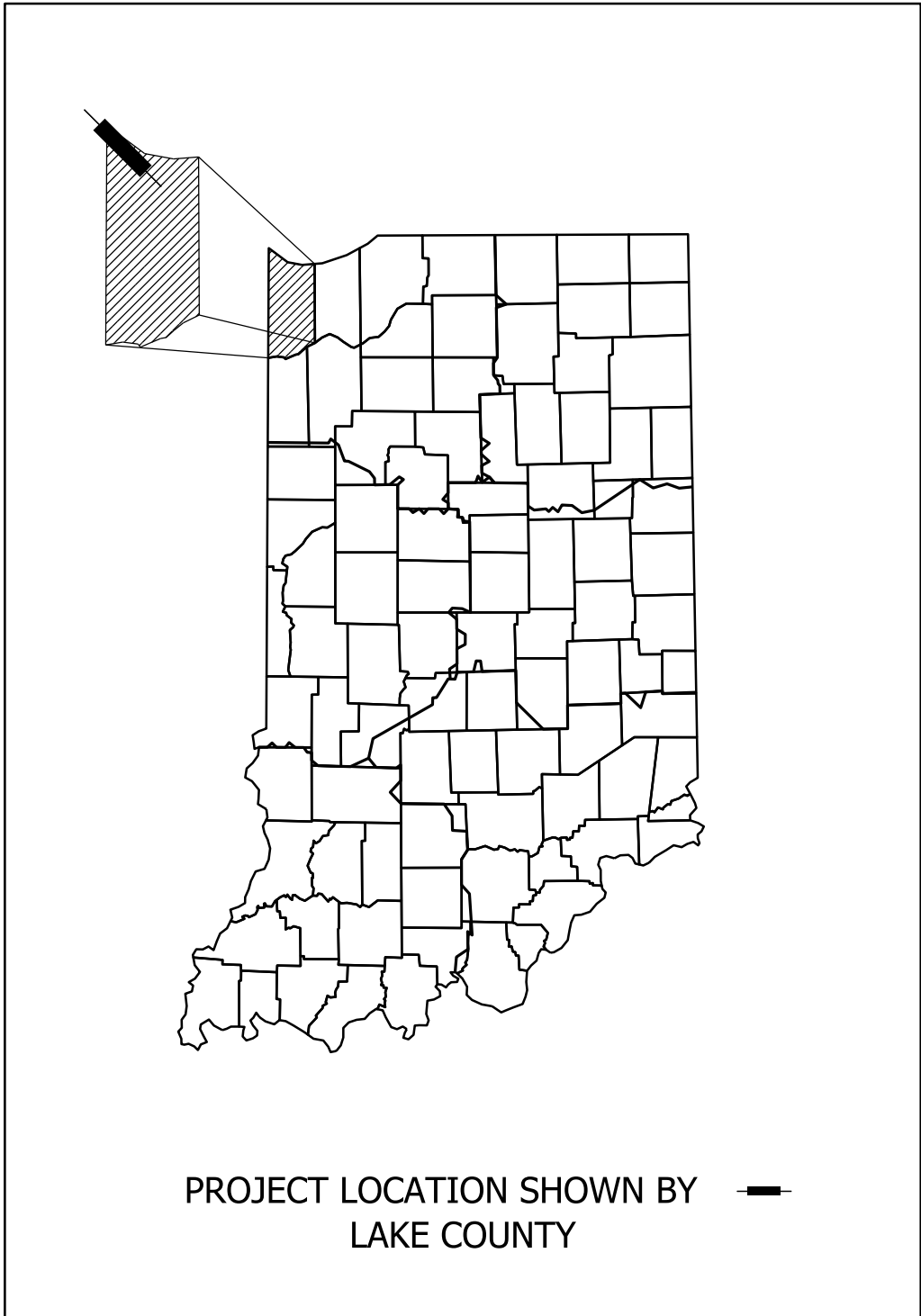
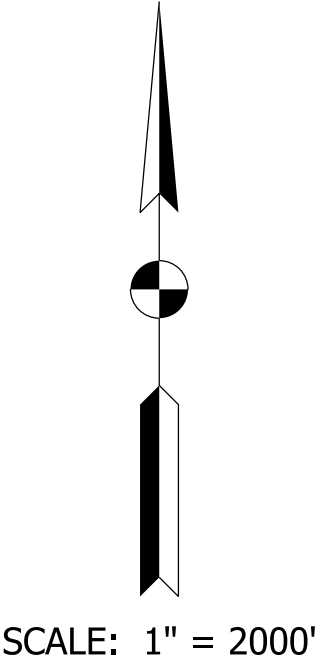
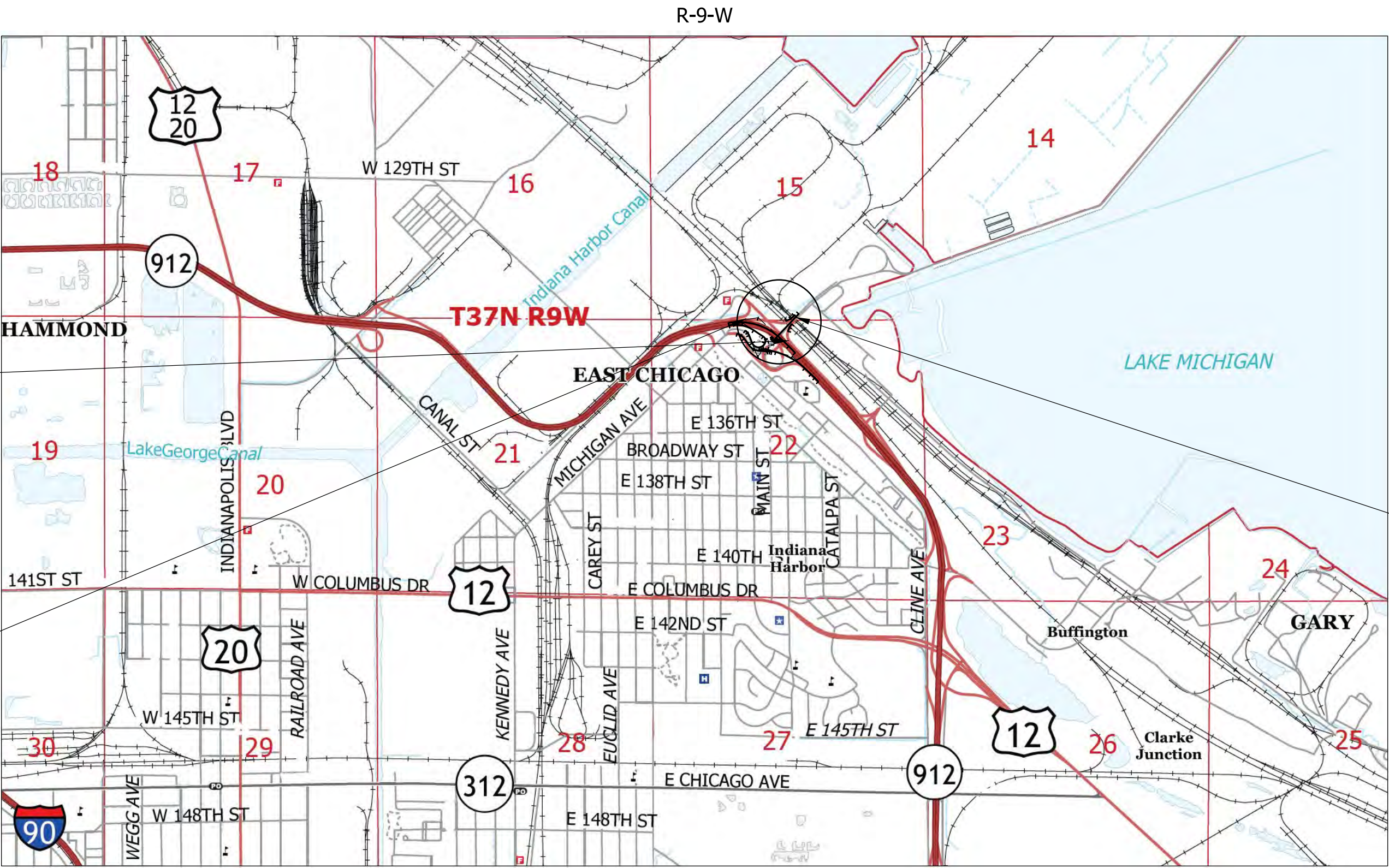
* Lead Des. Number

Des. 1800067 is no longer associated with this project.
The new lead Des. is 1703011.

FOR SPANS OVER 20 FEET
ROUTE: SR 912 RAMP INLAND AT: RP 4+67
PROJECT NO. 1800067 P.E.
R/W
CONST.

NO ADDITIONAL RIGHT-OF-WAY
REQUIRED FOR THIS PROJECT

Bridge Rigid Deck Overlay for Bridge on SR 912 Ramp Inland at Elevation Change-Up Ramp
Located 1.17 Miles West of US 12
Sections 22 , T-37-N, R-9-W, North Township, Lake County, Indiana



LATITUDE: 41° 39' 08" N LONGITUDE: 87° 26' 31" W

BRIDGE LENGTH: 0.155 MI.
ROADWAY LENGTH: 0.012 MI.
TOTAL LENGTH: 0.167 MI.
MAX. GRADE: 3.00 %

End Project
22+16.33 "I"

Begin Project
13+35.77 "I"

Structure 912-45-02543 B RI
Elevation Change-Up Ramp
18+06.30 "I"
Norfolk Southern Railway
Dearborn Division
DOT #960896C
MP CD 0502.740

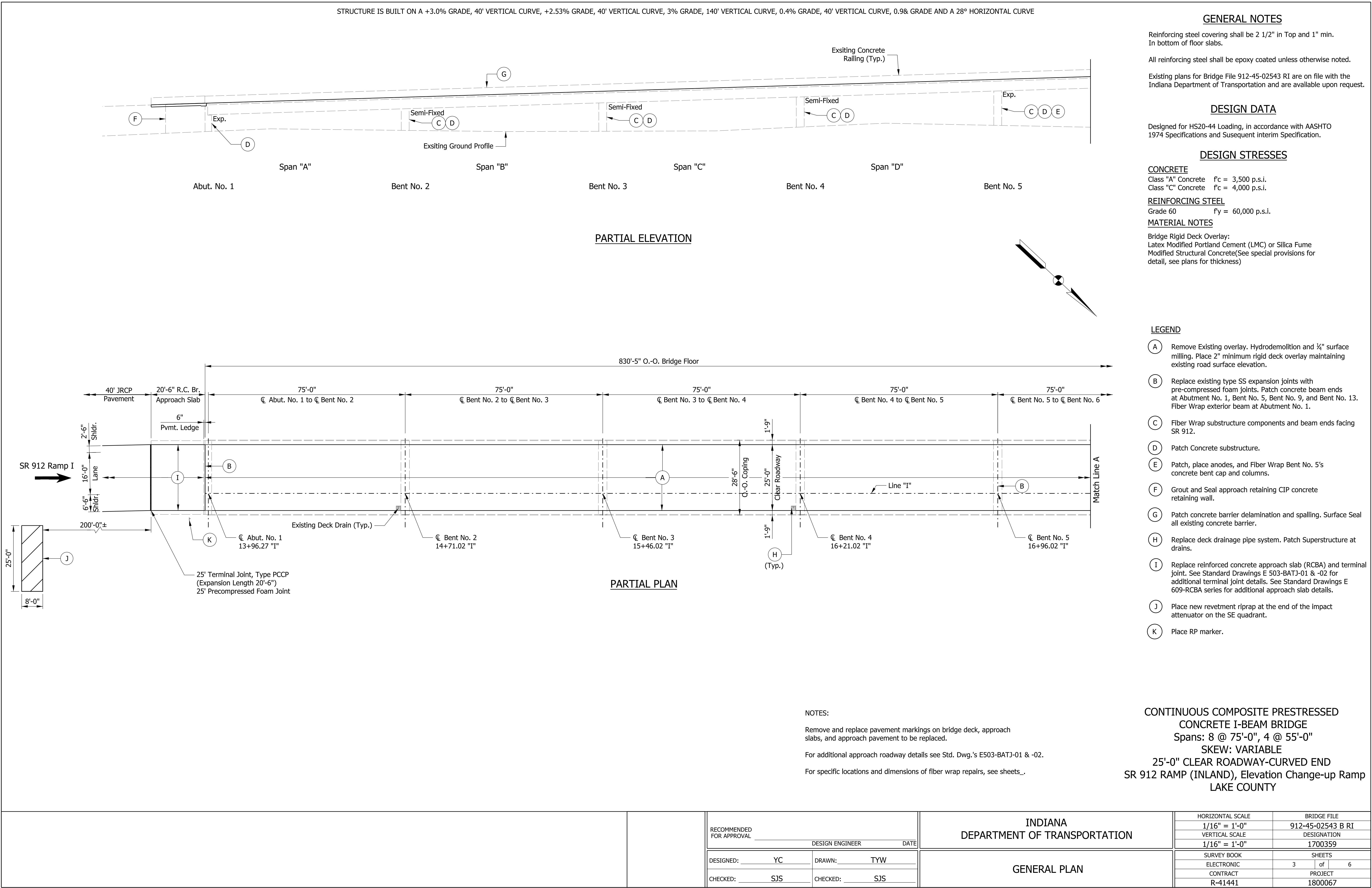
PARSONS

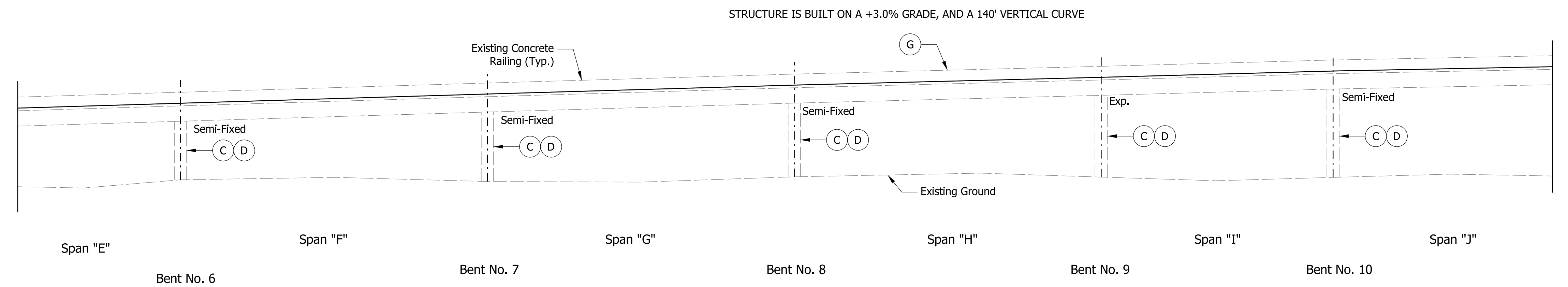
101 W. Ohio St., Suite 2121
Indianapolis, IN 46204
Bus (317) 616-1000
Fax (317) 616-1033

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06-MAY-2021

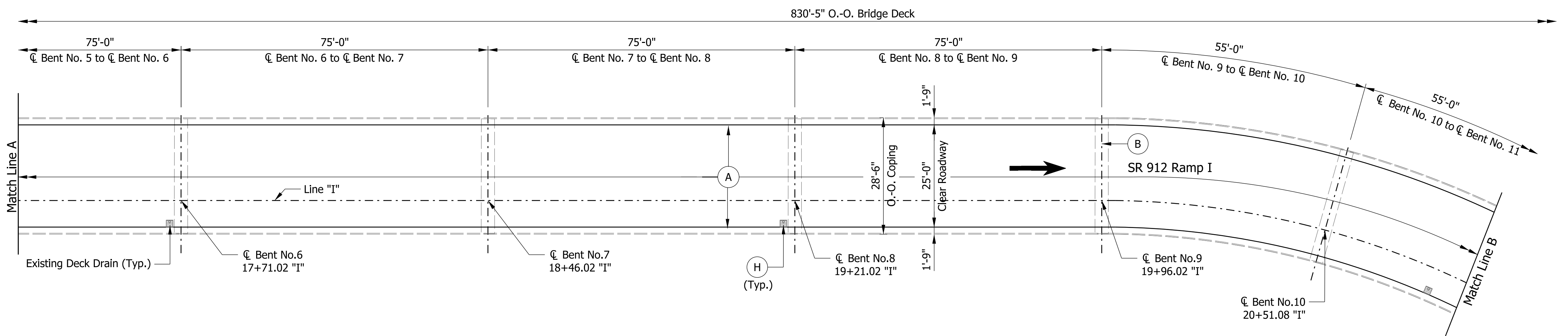
PLANS
PREPARED BY: PARSONS 317-616-1000
PHONE NUMBER
CERTIFIED BY: DATE
APPROVED
FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE		
912-45-02543 B RI		
DESIGNATION		
1700359		
SHEETS		
SURVEY BOOK	1	of 6
ELECTRONIC		
CONTRACT	PROJECT	
R-41441	1800067	





PARTIAL ELEVATION



PARTIAL PLAN

LEGEND

- (A) Remove Existing overlay. Hydrodemolition and $\frac{1}{4}$ " surface milling. Place 2" minimum rigid deck overlay maintaining existing road surface elevation.
- (B) Replace existing type SS expansion joints with pre-compressed foam joints. Patch concrete beam ends at Abutment No. 1, Bent No. 5, Bent No. 9, and Bent No. 13. Fiber Wrap exterior beam at Abutment No. 1.
- (C) Fiber Wrap substructure components and beam ends facing SR 912.
- (D) Patch Concrete substructure.
- (E) Patch, place anodes, and Fiber Wrap Bent No. 5's concrete bent cap and columns.
- (F) Grout and Seal approach retaining CIP concrete retaining wall.
- (G) Patch concrete barrier delamination and spalling. Surface Seal all existing concrete barrier.
- (H) Replace deck drainage pipe system. Patch Superstructure at drains.
- (I) Replace reinforced concrete approach slab (RCBA) and terminal joint. See Standard Drawings E 503-BATJ-01 & -02 for additional terminal joint details. See Standard Drawings E 609-RCBA series for additional approach slab details.
- (J) Place new revetment riprap at the end of the impact attenuator on the SE quadrant.
- (K) Place RP marker.

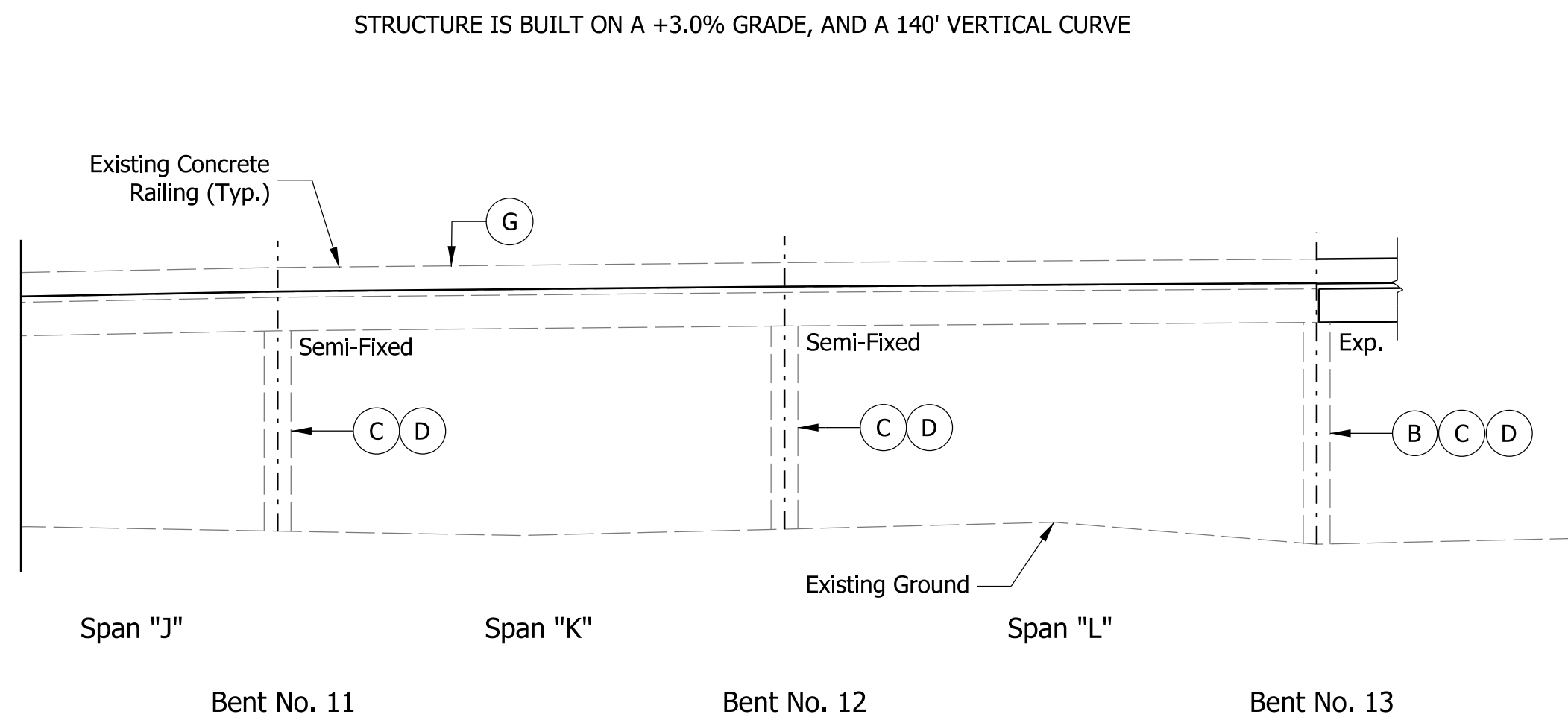
NOTES:

Remove and replace pavement markings on bridge deck, approach slabs, and approach pavement to be replaced.

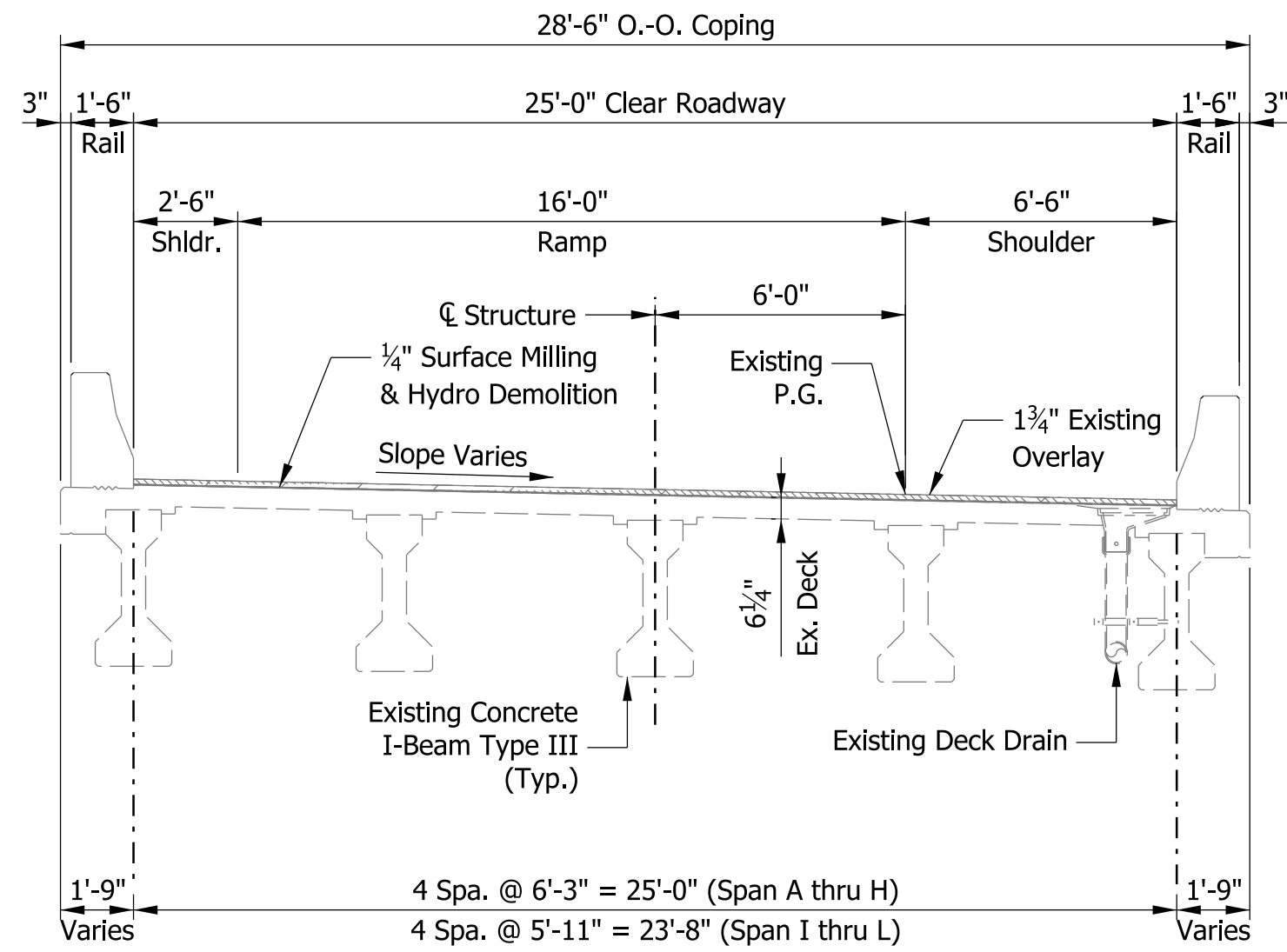
CONTINUOUS COMPOSITE PRESTRESSED
CONCRETE I-BEAM BRIDGE
Spans: 8 @ 75'-0", 4 @ 55'-0"
SKEW: VARIABLE
25'-0" CLEAR ROADWAY-CURVED END
SR 912 RAMP (INLAND), Elevation Change-up Ramp
LAKE COUNTY

RECOMMENDED FOR APPROVAL			INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE		BRIDGE FILE		
				1/16" = 1'-0"		912-45-02543 B RI		
				VERTICAL SCALE		DESIGNATION		
DESIGN ENGINEER _____ DATE _____				1/16" = 1'-0"		1700359		
DESIGNED: _____ YC		DRAWN: _____ TYW		GENERAL PLAN	SURVEY BOOK		SHEETS	
					ELECTRONIC		4 of 6	
CHECKED: _____ SJS		CHECKED: _____ SJS			CONTRACT		PROJECT	
					R-41441		1800067	

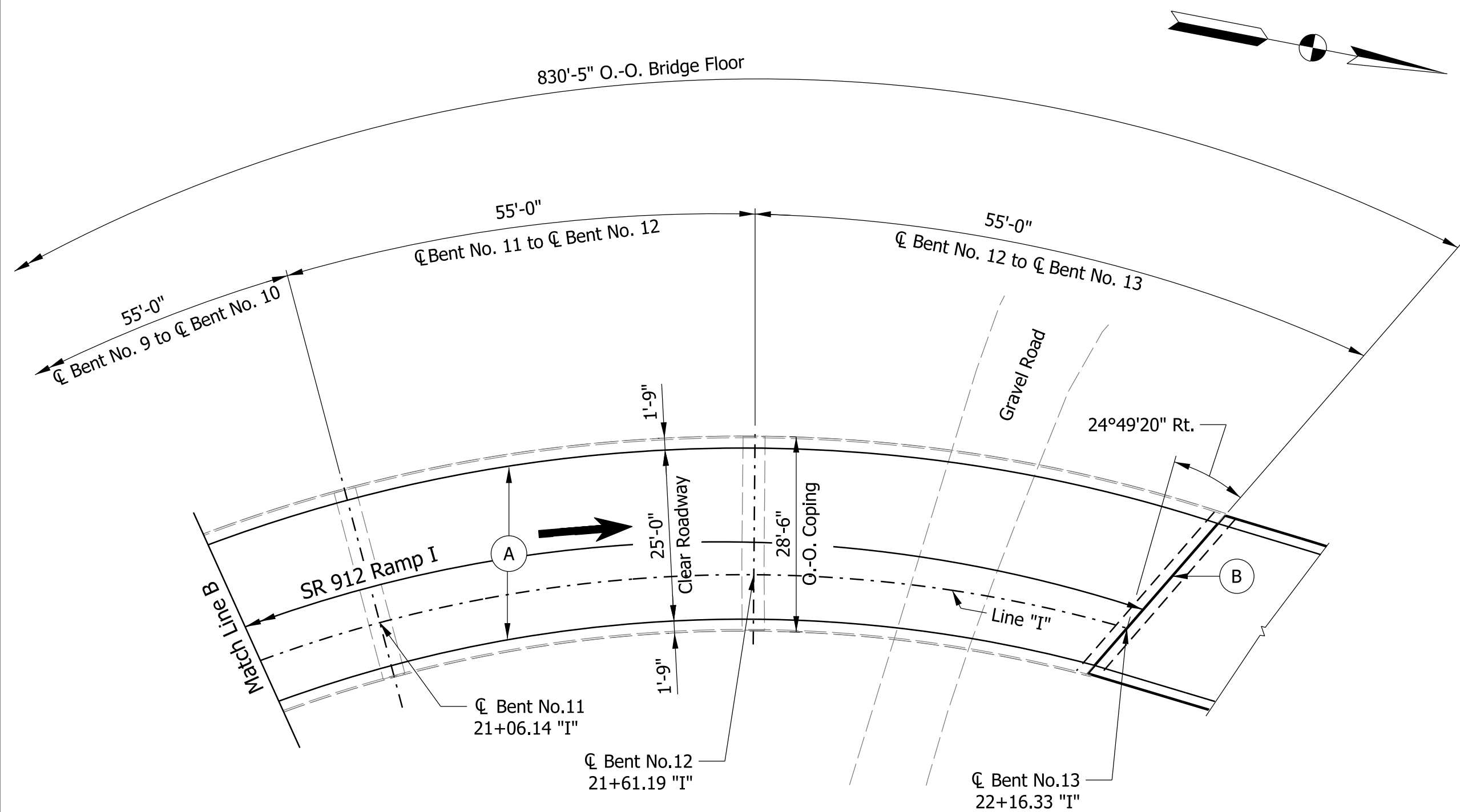
IP_PWP:dms39733\SR912 Ramp I_BR_ General Plan.02.dgn
07-MAY-2021



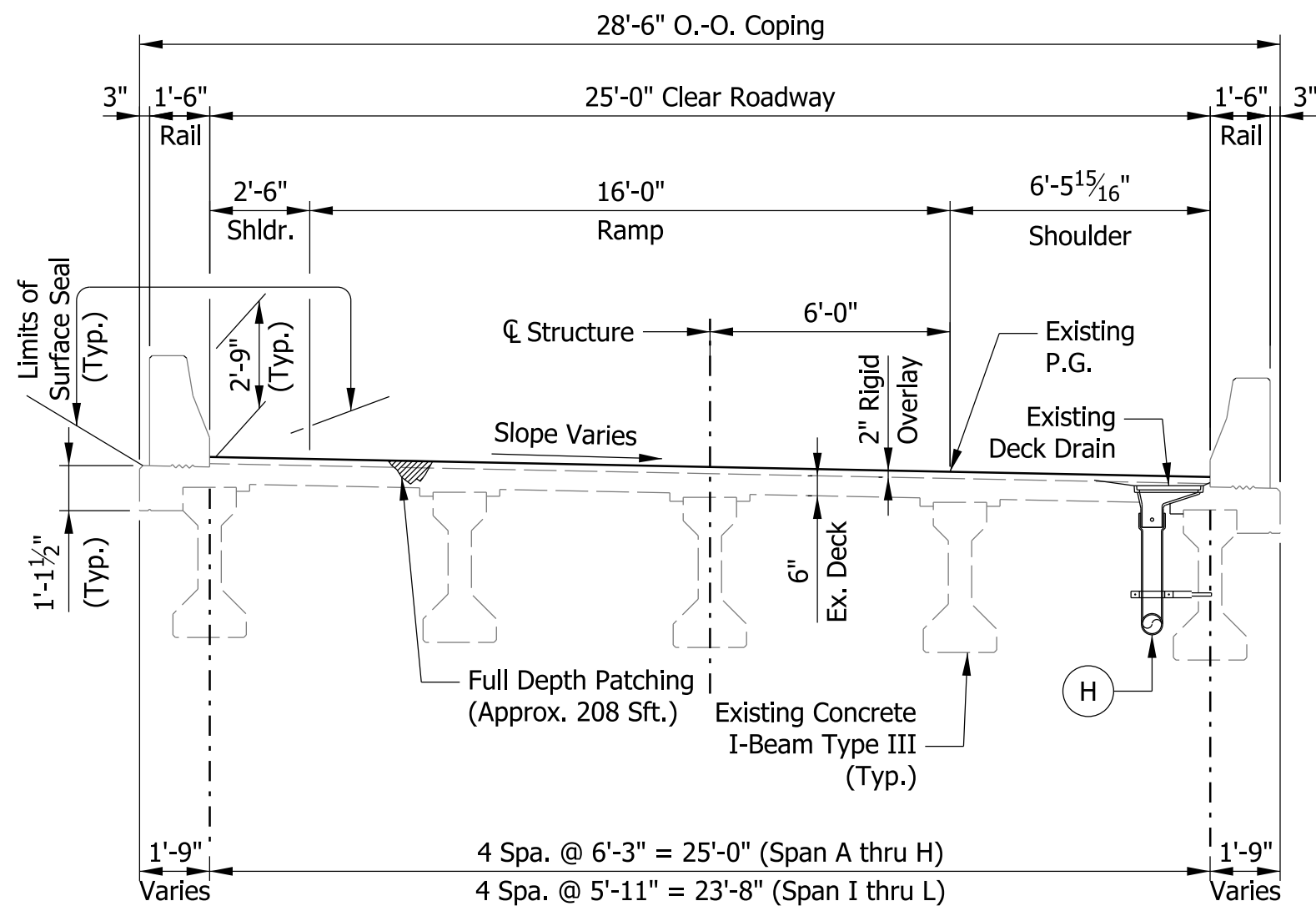
PARTIAL ELEVATION
Scale: 1/16" = 1'-0"



EXISTING TYPICAL SECTION
Scale: 1/4" = 1'-0"



PARTIAL PLAN
Scale: 1/16" = 1'-0"



PROPOSED TYPICAL SECTION
Scale: 1/4" = 1'-0"

NOTES:

Remove and replace pavement markings on bridge deck, approach slabs, and approach pavement to be replaced.

LEGEND

- (A) Remove Existing overlay. Hydrodemolition and 1/4" surface milling. Place 2" minimum rigid deck overlay maintaining existing road surface elevation.
- (B) Replace existing type SS expansion joints with pre-compressed foam joints. Patch concrete beam ends at Abutment No. 1, Bent No. 5, Bent No. 9, and Bent No. 13. Fiber Wrap exterior beam at Abutment No. 1.
- (C) Fiber Wrap substructure components and beam ends facing SR 912.
- (D) Patch Concrete substructure.
- (E) Patch, place anodes, and Fiber Wrap Bent No. 5's concrete bent cap and columns.
- (F) Grout and Seal approach retaining CIP concrete retaining wall.
- (G) Patch concrete barrier delamination and spalling. Surface Seal all existing concrete barrier.
- (H) Replace deck drainage pipe system. Patch Superstructure at drains.
- (I) Replace reinforced concrete approach slab (RCBA) and terminal joint. See Standard Drawings E 503-BATJ-01 & -02 for additional terminal joint details. See Standard Drawings E 609-RCBA series for additional approach slab details.
- (J) Place new revetment riprap at the end of the impact attenuator on the SE quadrant.
- (K) Place RP marker.

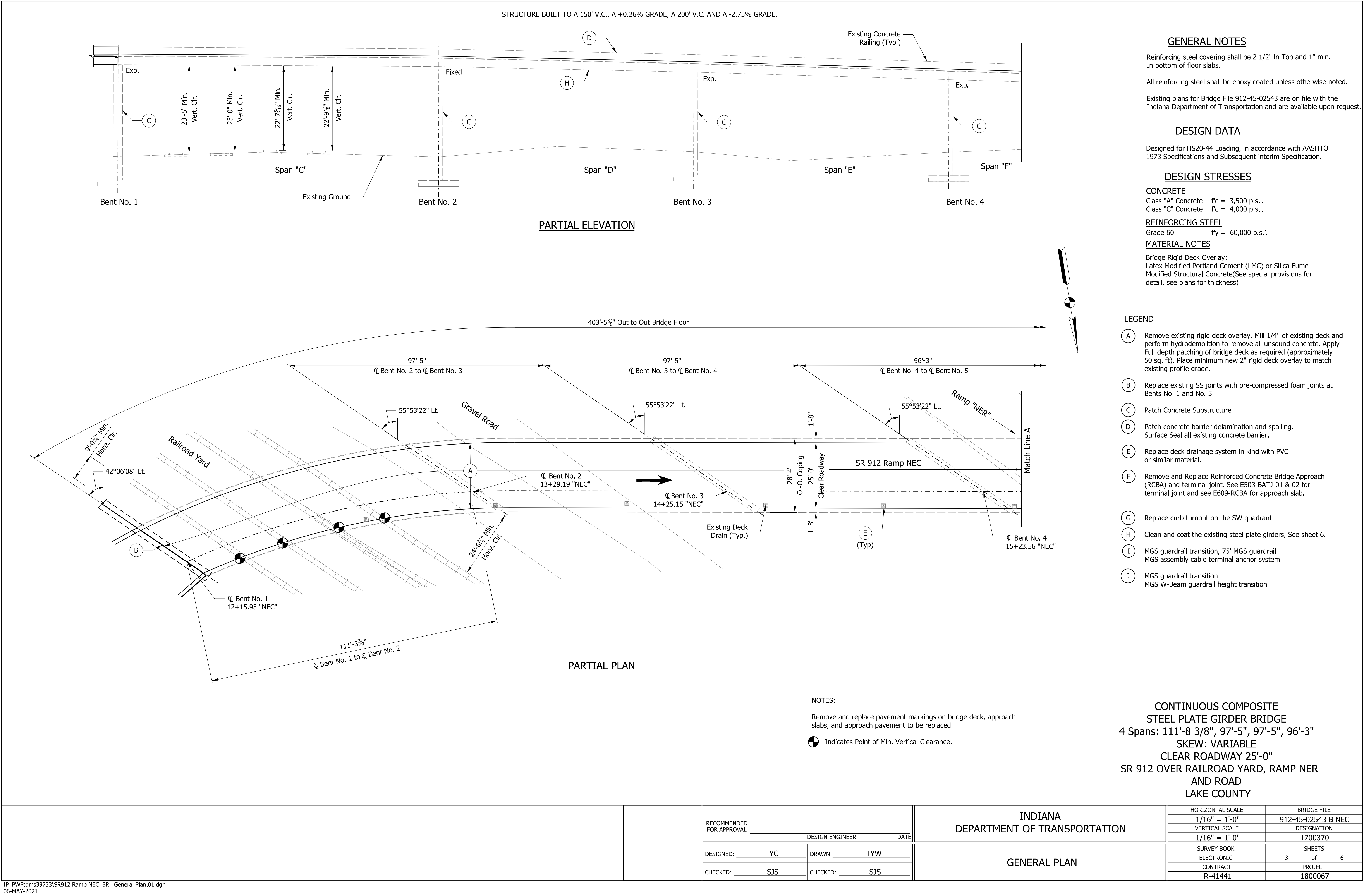
**CONTINUOUS COMPOSITE PRESTRESSED
CONCRETE I-BEAM BRIDGE**
Spans: 8 @ 75'-0", 4 @ 55'-0"
SKEW: VARIABLE
25'-0" CLEAR ROADWAY-CURVED END
SR 912 RAMP (INLAND), Elevation Change-up Ramp
LAKE COUNTY

RECOMMENDED FOR APPROVAL _____	
DESIGN ENGINEER _____ DATE _____	
DESIGNED: YC	DRAWN: TYW
CHECKED: SJS	CHECKED: SJS

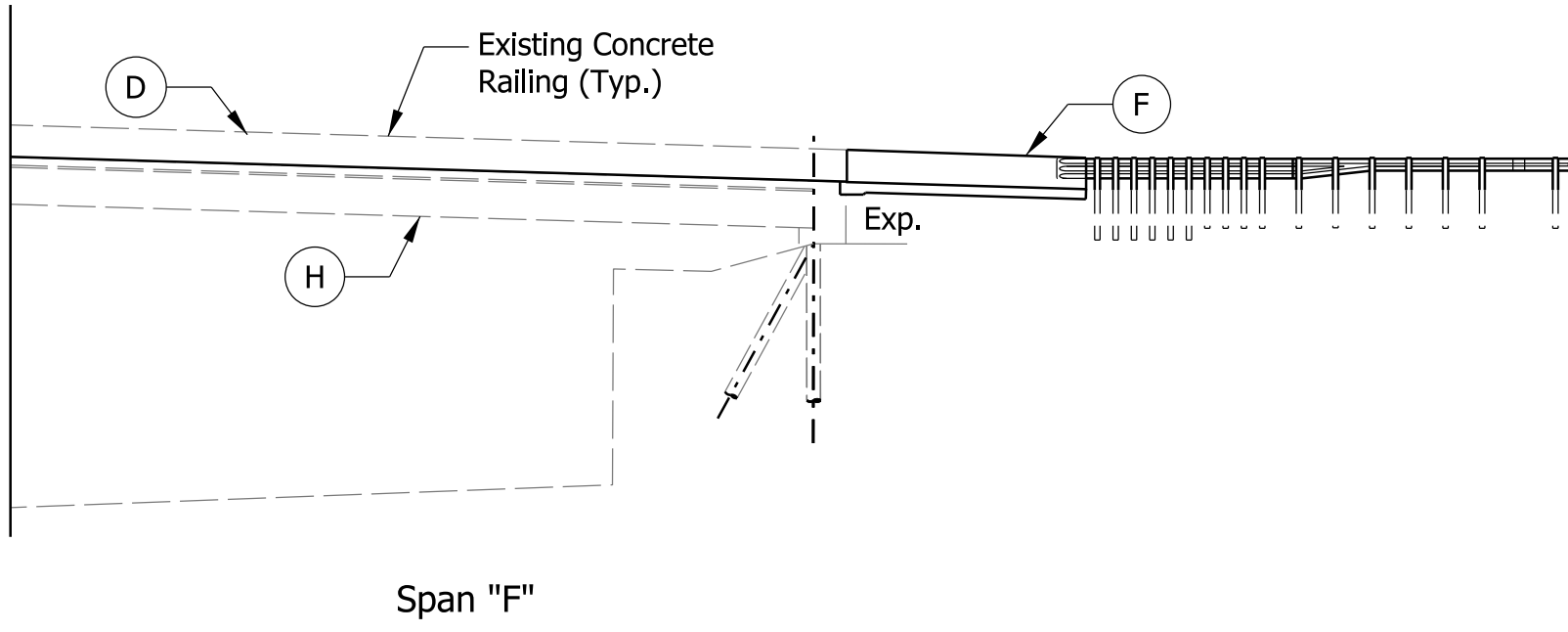
INDIANA
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

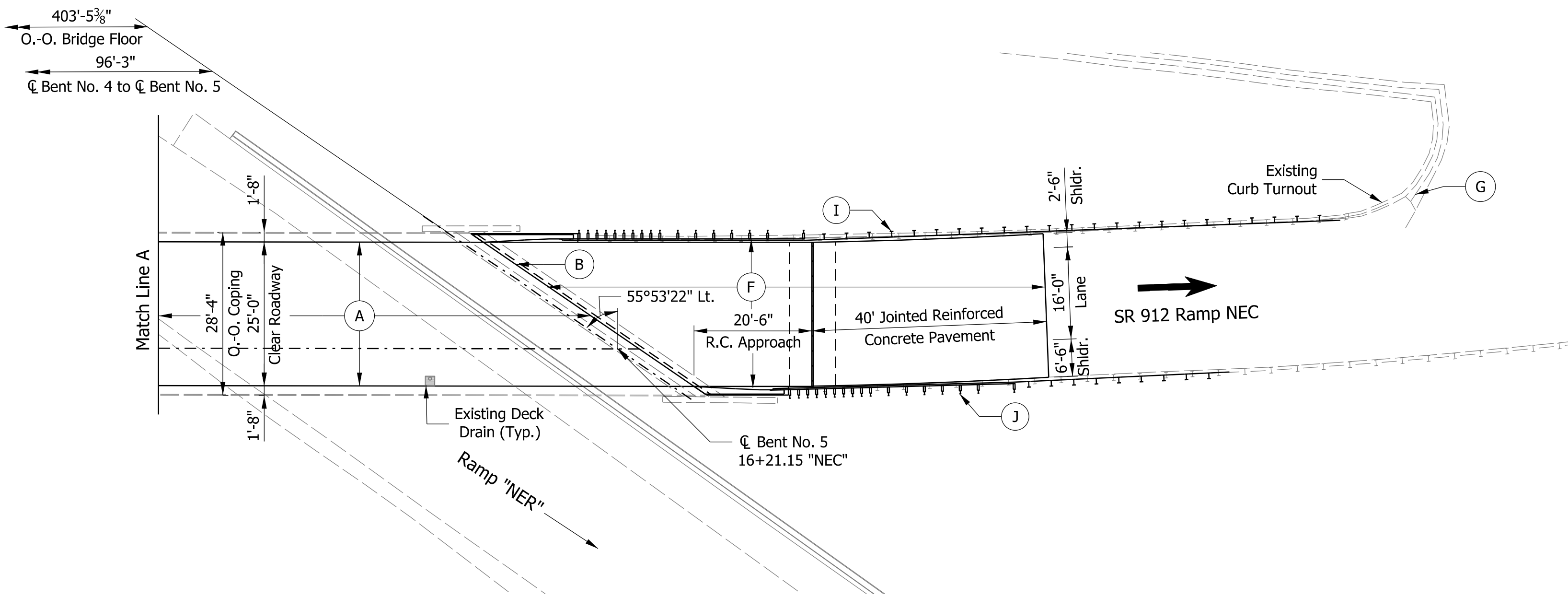
HORIZONTAL SCALE		BRIDGE FILE	
AS NOTED		912-45-02543 B RI	
VERTICAL SCALE		DESIGNATION	
AS NOTED		1700359	
SURVEY BOOK		SHEETS	
ELECTRONIC		5	of 6
CONTRACT		PROJECT	
R-41441		1800067	



STRUCTURE BUILT TO A 150' V.C., A +0.26% GRADE, A 200' V.C. AND A -2.75% GRADE.



PARTIAL ELEVATION



PARTIAL PLAN

LEGEND

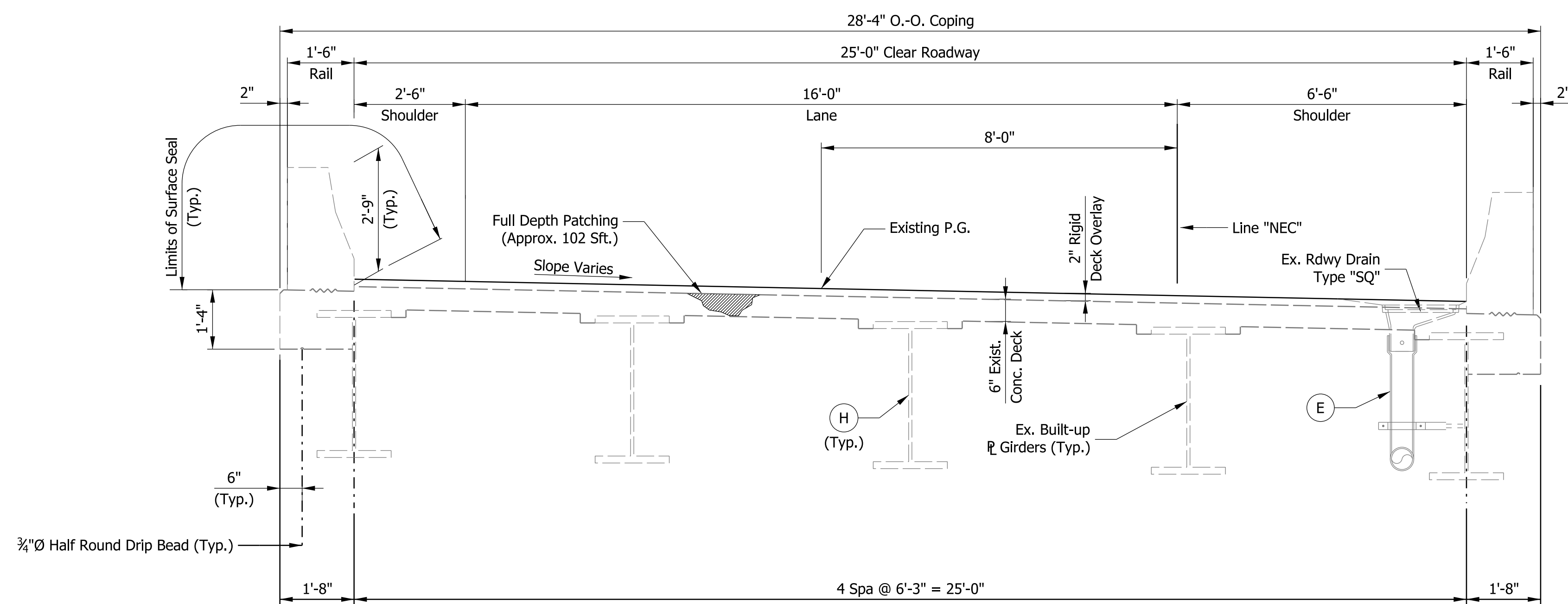
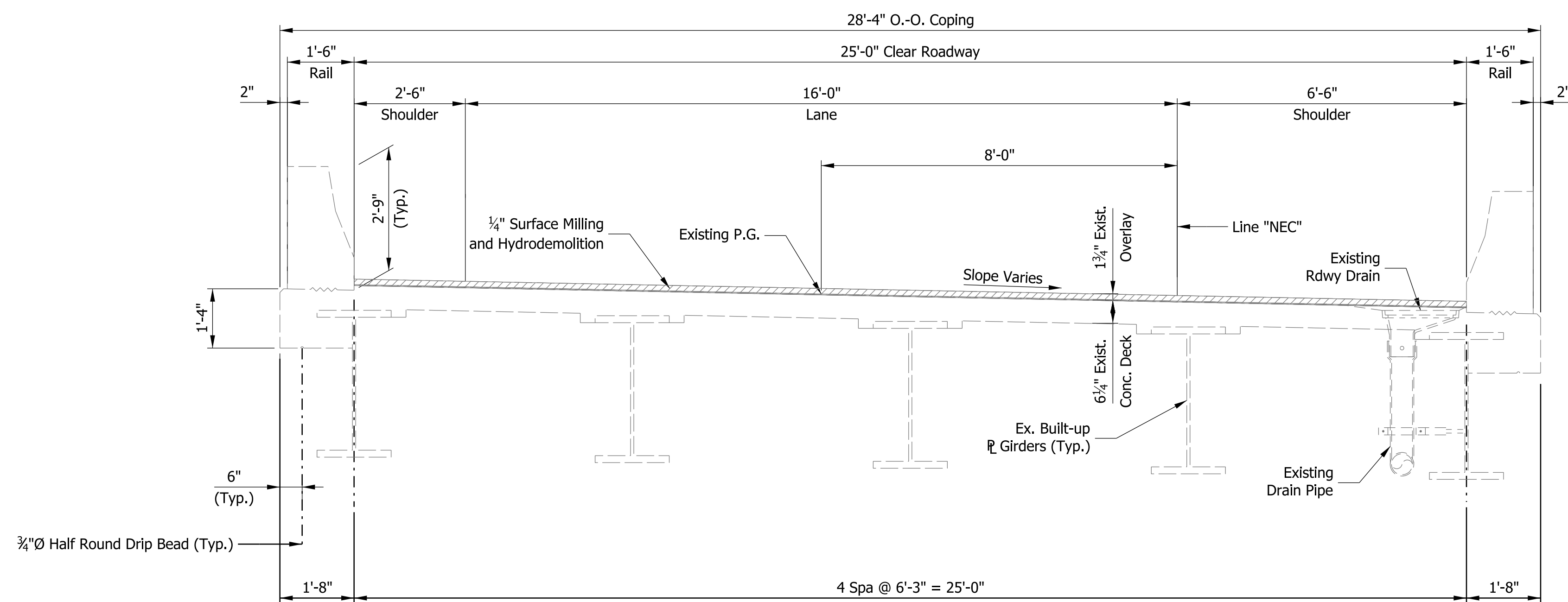
- (A) Remove existing rigid deck overlay, Mill 1/4" of existing deck and perform hydrodemolition to remove all unsound concrete. Preform Full depth patching of bridge deck as required (approximately 50 sq. ft). Place minimum new 2" rigid deck overlay to match existing profile grade.
- (B) Replace existing SS joints with pre-compressed foam joints at Bents No. 1 and No. 5.
- (C) Patch Concrete Substructure
- (D) Patch concrete barrier delamination and spalling. Surface Seal all existing concrete barrier.
- (E) Replace deck drainage system in kind with PVC or similar material.
- (F) Remove and Replace Reinforced Concrete Bridge Approach (RCBA) and terminal joint. See E503-BATJ-01 & 02 for terminal joint and see E609-RCBA for approach slab.
- (G) Replace curb turnout on the SW quadrant.
- (H) Clean and coat the existing steel plate girders, See sheet 6.
- (I) MGS guardrail transition, 75' MGS guardrail MGS assembly cable terminal anchor system
- (J) MGS guardrail transition MGS W-Beam guardrail height transition

NOTE:
For additional approach roadway details see Std. Dwg.'s E503-BATJ-01 & -02.

CONTINUOUS COMPOSITE
STEEL PLATE GIRDER BRIDGE
4 Spans: 111'-8 3/8", 97'-5", 97'-5", 96'-3"
SKEW: VARIABLE
CLEAR ROADWAY 25'-0"
SR 912 OVER RAILROAD YARD, RAMP NER
AND ROAD
LAKE COUNTY

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE		BRIDGE FILE			
				1/16" = 1'-0"		912-45-02543 B NEC			
				VERTICAL SCALE		DESIGNATION			
				1/16" = 1'-0"		1700370			
DESIGNED: _____ YC		DRAWN: _____ TYW		GENERAL PLAN		SURVEY BOOK		SHEETS	
						ELECTRONIC		4 of 6	
CHECKED: _____ SJS		CHECKED: _____ SJS				CONTRACT		PROJECT	
						R-41441		1800067	

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06-MAY-2021



- LEGEND

CONTINUOUS COMPOSITE
STEEL PLATE GIRDER BRIDGE
4 Spans: 111'-8 3/8", 97'-5", 97'-5", 96'-3"
SKEW: VARIABLE
CLEAR ROADWAY 25'-0"
SR 912 OVER RAILROAD YARD, RAMP NER
AND ROAD
LAKE COUNTY

RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION					HORIZONTAL SCALE		BRIDGE FILE					
						1/2" = 1'-0"		912-45-02543 B NEC					
						VERTICAL SCALE		DESIGNATION					
						1/2" = 1'-0"		1700370					
DESIGNED: YC	DRAWN: TYW		GENERAL PLAN					SURVEY BOOK		SHEETS			
								5		of		6	
CHECKED: SJS	CHECKED: SJS									PROJECT			
								R-41441		1800067			